Water-Works (Continued)

Wis., Hurley—City voted $360,000 bonds to build water system.

Wis., Manitowoc — See "Streets and Roads."

Wis., Milwaukee—(Official)—City Council defeated project to build water purification plant. Noted Nov. 15.

Wis., Sparta—City soon lets contract drilling 10-16-in. well, 300 ft. deep. W. G. Kirchoffer, Madison, engr.

Kan., Chanute—City plans to improve water system including elevated tower of 250,000 gal. capacity, 7600 ft. 16-in. c.-i. pipes. About $42,000. C. Pratt, city engr.

Kan., Waverly—City plans to issue $11,000 bonds to install new engine and pump at water-works and repair reservoir.

N. D., Belfield — City plans to install water system. About $30,000.

Wyo., Lusk—City plans election Dec. 18 to vote on $12,000 bond issue for water-works system. D. E. Goddard, clk.

Mo., Kansas City—City plans to lay 48 in. water main, 22,000 ft. long, on Nicholson and Monroe Sts. About $500,000. First unit to cost $10,000. R. W. Stalnaker, secy. water & fire bd.

Mo., Kansas City—Water Bd. plans to build water pumping station in East Bottoms to have 20,000,000-gal. capacity. C. Hill, city engr. Noted Nov. 8.

Mo., Maysville—City plans to build reservoir, 1,000,000 gal. capacity. A. D. Hewitt, clk.

Tex., Crosbyton—(Official)—City having plans prepared by H. E. Elrod, engr., Interurban Bldg., Dallas, building water system.

Tex., Quenah — (Official) — City having plans prepared by H. E. Elrod, engr., Interurban Bldg., Dallas, building water system. About $150,000. Noted Oct. 18.

Tex., San Marcos—San Marcos Utilities Co., San Marcos, plans to improve water-works system and electric-light plant. About $20,000.

Okla., Altus—City election Dec. 4 to vote on $80,000 bond issue to extend and improve water-works. E. Morgan, clk.

Okla., Buffalo—City plans to build water system.

Okla., Cyril—City election soon to vote on $20,000 bond issue to build water system. A. W. Funnell, pres.

Okla., Madill—City voted $65,000 bonds to build water system. Noted Nov. 1.

Okla., Sulphur—City voted $10,000 bonds to build water system. Noted Nov. 22.

Utah, Brigham—City rejected bids improving water system. Work will be readvertised. Noted Oct. 4

Ariz., Globe—(Official)—City postponed election until next May to vote on $435,000 bond issue for addition to water system and improvements to sewers. Noted July 26.

Ariz., Williams — Town voted $55,000 bond issue for water-works system at recent election. Noted Oct. 4.

Ariz., Yuma—City election Dec. 11 to vote on $400,000 bond issue to build water, gas, electric-light, heat and power systems.

Cal., Napa—State Bd. Control, Sacramento, plans to build water system here to provide water for State Hospital, Fry and Smith-Brown Ranches, and Veterans' Home. M. De Motte, chn. About $70,000.

Cal., Seal Beach—City voted $15,000 bonds to build water system. Noted Oct. 4.

Cal., Vallejo—City had plans prepared by F. H. Tibbets, engr., Alaska Commercial Bldg., San Francisco, building reservoir, 273,000,000-gal. capacity, to supply water for Green Valley. About $200,000. Noted July 12.

Ont., London—City plans to extend water mains to new soldiers' hospital in county. About $25,000. E. V. Buchanan, City Hall, mgr. utilities comrs.

BIDS DESIRE

N. Y., New York—Until Dec. 3, by W. Williams, comr. water supply, gas and Electricity, Municipal Bldg., hauling and laying water mains and appurtenances to cross-connect existing mains in Southern Blvd., from East 163rd St. to East 181st St. (Bronx Boro.)

O., Wooster—(Official)—Until Dec. 20, by Dir. Pub. Serv. improving water system. W. J. Sherman Co., Nasby Bldg., Toledo, engrs.; advertised in this issue.

Mich., Jackson—(Official)—Until Dec. 5 by A. W. D. Hall, city mgr., drilling 4 wells; advertised in this issue.

Mont., Laurel — Until Dec. 4, by city, building intake in Yellowstone River for water system. G. A. Allen, clk. B. C. Lillis, 239 Clark Ave., Billings, engr.

PRICES AND CONTRACTS AWARDED

S. C., Columbia—City received low bids installing one 3,000,000-gal. and two 5,000,000-gal. centrifugal pumps in pumping station, from Earle Gear & Machine Co., Stinton and Wyoming Aves., Phila., $5532; Morris Machine Works, 41 Cortlandt St., New York City, $5550; Matthews Electric Co., $6000. Noted Nov. 15.

★**Neb., Hoskins**—City let contract for engine and pump for water system to Merkle Machinery Co., 1020 Woodmen of World Bldg., Omaha; tower and tank to Steel Structural Wks.; pumphouse, to Farmers' Lumber Co., Hoskins. About $10,000. Noted Oct. 25.

Wash., Bremerton—City received low bids building concrete reservoir for water system, from W. B. Lance, Northern Bank Bldg., Seattle, $39,456; W. O. Pulett, Bremerton, $41,513; Swenson & Co., Arcade Bldg., Seattle, $45,592. Noted June 14.

Cal., Long Beach—See "Sewers."

SEWERS

Proposed Work

Conn., Bristol—City plans to install new septic or Imhoff tanks, new filtration beds, and general improvements to sewage disposal system. About $100,000. Sperry & Buell, Main St., city engrs.

Conn., Stratford—City plans to install sewerage system and sewage disposal plant. About $250,000. C. Potts, 30 Church St., New York City, engr. Noted Oct. 18.

N. Y., Brooklyn—Boro. plans to build sewers in Ave. M, East 3rd, East 4th and 60th Sts., Ocean Pkway. and 23rd Ave. About $44,000. L. H. Pounds, pres.

N. Y., Long Island City—Boro. plans to build sewer in Grand St. from Queens Blvd. to Long Island R.R. About $20,500. M. M. Connolly, pres.

N. J., Jersey City—(Official)—City rejected bids for 18 in. vitr. pipe sewer in portion Summit Ave. About $12,366. Work will be readvertised. C. A. Van Kuren, city engr. Noted Nov. 1.

N. J., Trenton—City plans to install sewerage system in Riverside Park. About $19,732. J. R. Fell, Jr., city engr.

Pa., Johnstown—City having plans prepared by Gannett, Seelye & Fleming, engrs., 204 Locust St., Harrisburg, for sanitary sewerage system; $500,000 bonds voted for work. Noted Nov. 22.

Pa., Lansford—City voted $50,000 bonds to build sewers, parks and street improvements. J. B. Warriner, city engr. Noted Sept. 27.

Del., Laurel—City plans election to vote on $60,000 bond issue to build sewerage system and improve streets.

N. C., Gastonia—City plans to build sewage-disposal plant., L. M. Ross, city engr.

Tenn., Copperhill—See "Water-Works."

Ky., Maysville—City defeated $100,000 bonds to build sewerage system. Noted Sept. 13.

Ky., Paris—(Official)—City voted $20,000 bonds to build sewerage system. J. W. Hayden, city clk.

O., Cincinnati—City plans to issue $54,500 bonds to improve sewers. F. S. Krug, city engr.

O., Cuyahoga Falls—Silver Lake Impvt. Co., Flatiron Bldg., Akron, having plans prepared by Courtney Eng. Co., Leader-News Bldg., Cleveland, building sewers and water main connections. About $100,000.

O., Newport—City plans to build trunk sewer in York St. from Ohio River to 8th St. About $25,000. J. Herman, comr. pub. wks.

Ind., Frankfort—City having plans prepared building storm sewer in West Washington St. C. C. Hoffine, city engr.

Ind., Union City—City soon lets contract building sewers. About $18,000. C. E. Hollinger, Greenville, O., engr.

Ill., Springfield—City plans to lay sewers on 17th St. from Laurel to Ash St.; Ash St. from 16th to 17th St.; Moffatt Ave. from 15th to East Grand Ave.; also having plans prepared for sewer to be laid from Walnut and Mason St. to Lincoln Ave. About $150,000. W. D. Seeley, city engr.

Wis., Manitowoc—See "Streets and Roads."

Wis., South Milwaukee—City soon let contract, 3½ mi. sanitary sewers in Dist. No. 3, involving 8-24-in. vitr. pipe, 250 ft., 16-in. c.-i. pipe. About $30,000. Alvord & Burdick, 8 South Dearborn St., Chicago, engr.

Minn., Lamberton—City plans to build sewerage system. A. L. & E. W. Goldenstar, Mankato, engrs.

Minn., Mankato—City having plans prepared by M. M. Cram, engr., Mankato, for sanitary sewerage system. J. H. A. Brahtz, 312 Commercial Bldg., St. Paul, cons. engr.

Minn., Melrose—Village soon lets contract building sewerage system, involving about 5200 ft. 12-in. vitr. tile. Chute & Bradley, St. Cloud, engrs.

Minn., Winnebago—Village having plans prepared by C. H. Currie, engr., Webster, Ia., for storm sewerage system. About $60,000.

Mo., Carthage—City Council having preliminary plans prepared by E. B. Newton, city engr., for lateral sewer in Dist. No. 29, embracing territory between Lyon and Forest Sts. on Wiggins and Macon Sts.

Mo., Kansas City—City having plans prepared building Blue River sanitary sewer. About $750,000. A. G. Ludlow, engr. bd. pub. wks.

Okla., Tulsa — City received no bids building storm sewer on Trenton St. from 3rd to Katy St. New bids. H. H. Wyss, city clk.

Colo., Gunnison—City plans to extend sewers in southern part of city.

N. M., East Las Vegas—City plans to install sewerage system. About $29,478. V. K. Jones, city engr.

Ariz., Globe—See "Water-Works."

Wash., Camas—City had plans prepared for uphill sewerage system. H. G. Ausplund, city engr.

Cal., Seal Beach—City voted $15,000 bonds to build sewerage system. Noted Oct. 4.

N. S., Pictou—(Official)—Town plans to build sewers on Water, Church and Front Sts. About $60,000.

BIDS DESIRED

O., Elyria—(Official)—Until Dec. 5, by M. M. Wilcox, dir. pub. serv., building sewers in Dilworth St. from Gulf to Harwood Sts.; Harwood St. from Caroline St. to north line of Dilworth allotment. C. M. Theobald, city engr. Noted Nov. 15.

O., Rocky River—Until Dec. 30, by F. Mitchell, village clk., building sanitary and storm sewers. About $46,000. R. W. Pratt, Hippodrome Bldg., Cleveland, engr. Noted Nov. 15.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Canton**—City let contract building central southwest storm sewer, rein.-con. pipe, to F. A. Downs Constr. Co., Lawrence Rd. and Gibbs Ave., $81,180; Crystal Park storm water sewer, to Burd Constr. Co., 1045 Spring Ave., $16,675. Noted Nov. 1.

★**Mich., Highland Park**—(Official)—Village received no bids Nov. 19, building sewers in Goodwin Ave., between Connecticut Ave. and southerly village limits; in alley between Cardoni and Russell Sts. in Connecticut Ave. from Oakland to Russell St., and Russell St. from Connecticut Ave. to alley south of Greenwood Ave. Work will be done by day labor. Noted Nov. 8.

★**Mich., Port Huron**—City let contract building main sewer line in Howard St. from 16th to 20th Sts., to Carpenter Constr. Co., 707 Ford Bldg., Detroit. About $16,565.

Mich., Saginaw—City received low bids building sewers on Webber St. from Jefferson Ave. to Macauley St., from Eddy & Leaman; on Webber St. from Macauley to Sheridan Ave., and on Macauley St. from Webber to Hiland St., W. Eddy & Son; on Hiland St. from Jefferson to Macauley St., P. Sager, Saginaw. Noted Nov. 8.

★**Minn., Brainerd**—City let contract building lateral sewers in Dist. No. 3, involving about 44,129 ft. 8- to 10-in. tile to Sherlund Co., Brainerd. Noted Nov. 1.

Sewers (Continued)

★**Neb., Lincoln**—(Official)—City let contract building 24-in. sanitary sewer from 20th and Vine Sts. to Salt Creek along west bank of Antelope Creek, to J. M. Deffenbaugh, Lincoln, $13,335. Noted Nov. 15.

★**Neb., Omaha**—City let contract building sewers in Dists. Nos. 353 and 357, to A. Beck, 208 Keeline Bldg. About $26,992 and $17,792, respectively.

★**Mo., Kansas City**—City let contract building sewer in Dist. No. 2, to Hoover Bros., 18th and Tracy Sts., $59,075.

★**Wash., Lind**—City let contract for sewerage system, including 21,000 ft. 6-12-in. pipe, to J. B. Romana, 3314 16th Ave., Seattle, $18,150. Noted Oct. 11.

Cal., Long Beach—City received only bid building vitr. clay sewers in State, 20th, 21st and Willard Sts., and Locust Ave., and in certain alleys, together with Class "A" brick flush tanks, Class "C" brick manholes, rein.-con. pumping station, centrifugal pumps, electrical motors, piping, iron frame covers, Y and T branches, water connections, water meters, automatic flushing siphons, etc., from J. Kennedy, Washington Bldg., Los Angeles, $56,250.

★**Cal., Los Angeles**—See "Streets and Roads."

★**Cal., San Diego**—(Official)—City let contract for rein.-con. double compartment storm drain, 16th and Logan Sts., to Holland Constr. Co., Granger Bldg., $24,469. Noted Oct. 18.

BRIDGES

Proposed Work

Fla., Tampa—See "Streets and Roads."

Wis., Grand Rapids—Wood Co. plans to build steel bridge. About $60,000.

Kan., Topeka—City preparing plans for 100 ft. rein.-con. bridge over Shunganunga Creek, on 4th St. About $16,000. C. E. Baldry, city engr.

Que., Grand Mere—Laurentide Co., Ltd., plans to build steel bridge over St. Maurice River.

BIDS DESIRED

Pa., Nelson—(Official)—Until Dec. 11, by G. A. Spreiner, supt. pub. grounds and bldgs., Capitol, Harrisburg, building bridge at Nelson, Tioga Co.

W. Va., Fairmont—(Official)—Until Dec. 12, by Bd. Affairs, building rein.-con. bridge over Monongahela River. A. J. Kern, city clk.; advertised in this issue.

Ala., Livingston—Until Dec. 22, by Sumter Co. Comrs. building several rein.-con. slab bridges, culverts and piers, on State Trunk Rds. Nos. 3 and 5, between Livingston and Demopolis and Gainesville and Cuba; work involves 138 cu.yd. Class "A" concrete, 250 cu.yd. Class "B" concrete, 48 cu.yd. Class "C" concrete, and 12,000 lb. reinforcing steel.

Miss., Woodville—See "Streets and Roads."

Minn., Litchfield—See "Excavation and Dredging."

Neb., St. Paul—Until Dec. 10, by Howard Co., building one 40-, one 45- and one 28-ft. steel bridge and three 24-ft. wooden bridges. K. D. Bahensky, clk.

Mo., Jefferson City—See "Streets and Roads."

Mo., Kansas City—(Official)—Until Dec. 18, by Bd. Comrs., building Central Ave. viaduct. H. A. Mendenhall, mayor; advertised in this issue.

Mo., Kansas City—(Official)—Until Dec. 21, by W. C. Weaver, purch. agt., City Hall, building 23rd St. trafficway viaduct; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Pa., Phila.**—Philadelphia & Reading Ry. let contract building 5 signal bridges and altering, moving and rebuilding 3 existing signal bridges, in connection with signaling between Delaware River and Skillman, to Belmont Iron Works, 22nd and Washington Ave.

★**Ind., Logansport**—Cass Co. let contract building bridge over Eel River on 3rd St. to Natl. Concrete Co., 804 Terminal Bldg., Indianapolis, $110,000. Noted June 21.

STRUCTURAL STEEL WORK

Proposed Work

Que., Grand Mere—See "Bridges."

BIDS DESIRED

Neb., St. Paul—See "Bridges."

REINFORCED CONCRETE

Proposed Work

N. Y., Olean—See "Water-Works."

N. Y., Syracuse—See "Industrial Works."

N. J., Ocean City—See "Miscellaneous."

Pa., Mt. Joy—See "Water-Works."

Wis., Eau Claire—See "Industrial Works."

Ia., Charter Oak—See "Industrial Works."

Kan., Topeka—See "Bridges."

Cal., Sacramento—See "Industrial Works."

BIDS DESIRED

Ala., Livingston—See "Bridges."

Mo., Jefferson City—See "Streets and Roads."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Middletown**—See "Miscellaneous."

★**N. Y., New York**—See "Industrial Works."

★**Pa., Chester**—See "Buildings."

★**O., Cleveland**—See "Miscellaneous."

Cal., Long Beach—See "Sewers."

★**Cal., Sacramento**—See "Industrial Works."

★**Cal., San Diego**—See "Sewers."

Wash., Bremerton—See "Water-Works."

STREETS AND ROADS

Proposed Work

N. Y., White Plains—Comr. Pub. Wks. soon receives bids paving Hamilton and Martine Aves. and Stewart Pl. W. I. Collyer, city engr.

N. J., Atlantic City—City rejected bids building ornamental parkway from city limits to Virginia and Mediterranean Aves. as too far above estimates. Noted Nov. 22.

N. J., Elizabeth—Bd. Freeholders, Union Co., plan to appropriate $451,480 for road work during coming year. Work includes paving Faitoute and Michigan Aves. in Aldene Sect., $25,000; Springfield Rd., Summit, $10,000; also paving portions Hazelwood and Mountain Aves., and Chestnut St., Rahway, to cost $50,000 per mi. J. L. Bauer, co. engr.

N. J., Newark—Bd. Freeholders, Essex Co., plans to pave Rutgers St., Bloomfield, granite block.

N. J., New Brunswick—Middlesex Co. having plans prepared by A. Fox, engr., improving and rebuilding Sayerville-South Amboy Rd., 5 mi. long.

N. J., Newton—Bd. Freeholders, Sussex Co., plans paving Newton-Fredon Rd. W. Hardin, co. engr.

Pa., Lansford—See "Sewers."

Pa., Philadelphia—City plans to open and continue 44th St. through property of Pennsylvania Hospital for Insane, from Market St. to Haverford Ave., West Phila. C. E. Albright, city engr.

Pa., Reading—Berks Co. Comrs. plan to build Old Turnpike to Harrisburg. About $100,000.

Pa., Sunbury—Boro. plans to pave Front St. from Bainbridge St. to intersection of Susquehanna Ave., 1¼ mi., 16 ft. wide. About $54,000.

Del., Laurel—See "Sewers."

Md., Annapolis—Anne Arundel Co. soon lets contract concrete road from Annapolis Blvd. to St. Margarets. About $50,000. Federal Government to appropriate toward cost. H. R. Shirlet, c/o F. H. Zouck, chn. state highway rd. comrs., Garrett Bldg., Baltimore, engr.

Fla., Jasper—Hamilton Co. plans election Dec. 11 to vote on $400,000 bond issue to build roads.

Fla., Tampa—Palmetto-Ellenton Terra Ceia-Gillette Dist., Hillsborough Co., voted $200,000 bonds to build roads and bridges in district. Part of sum to be used in completing road to Hillsborough-Manatee line to connect with road which Hillsborough plans to build, giving complete hard surfaced road through Tampa.

Miss., Lexington—Holmes Co. sold $15,000 bonds for road work in Pickens-Richland Rd. Dist. and $25,000 in Special Rd. Dist. No. 2.

Ala., Anniston—Calhoun Co. voted to appropriate $68,000 to build road between here and Camp McClellan. War Dept. will furnish an equal amount. Noted Sept. 6.

O., Findlay—City passed resolution to issue $19,487 bonds to pave Lima Ave. to U. K. Stringfellow, city engr.

O., Newport—City plans to improve various streets. About $100,000. J. Herman, comr. pub. wks.

O., Rocky River—Village voted $100,000 bonds to pave streets. E. H. Arnold, village engr.

O., Stockport—Village having plans prepared by G. Dunn, engr., McConnellsville, for paving various streets. About $10,500.

O., Tiffin—Seneca Co., in conjunction with Seneca, Hopewell, Big Spring and Scipio Twps., plans to build 1¾ mi. Tiffin-Upper Sandusky Rd., 2½ mi. Fostoria Rd. and 2 mi. Fostoria Carey Rd. About $150,000 will be expended.

O., Toledo—City having new plans prepared by H. McKechnie, city engr., for extending Summit St. to Bway. About $580,000. Cost to be borne equally by city and property owners. Noted July 26.

O., Urbana—Champaign Co. Comrs. passed resolution to improve Urbana-North Lewisburg Pike.

O., Youngstown—City Council passed resolution to pave portion South Ave. between Indianola Ave. and end of present pavement. F. M. Lillie, city engr.

Ind., Huntington—City had plans prepared resurfacing 3680 ft. Matilda St., wood block, brick, asphalt, asphaltic concrete or sheet asphalt. About $50,698. P. H. Latchen, city engr.

Mich., Mt. Clemens—Macomb Co. soon lets contract building 42.5 mi. road 9 to 16 ft. wide, slag or gravel top. About $90,000. W. J. Lehner, engr. Noted Apr. 12.

Ill., Marshall—Clark Co. voted $112,000 bonds to build roads. Z. Arbuckle, co. supt. highways.

Ill., Peoria—Peoria Co. appropriated $77,000 for construction of 5 mi. concrete roads. W. E. Emery, co. highway supt.

Wis., Black River—Jackson Co. having plans prepared building concrete pavement between Black River Falls and Melrose, about 3 mi. W. F. Baumgartner, La Crosse, state engr. Noted Apr. 5.

Wis., Manitowoc—City plans to surface and gravel 50 blocks; also to install sewers and water mains. About $65,000. F. V. Alter, city engr.

Wis., Merrill—Lincoln Co. plans to build roads through county. About $30,000. J. Brandt, aud.

Minn., Owatonna—Steele Co. Comrs. plan to spend $37,000 for road work next year.

Kan., Council Grove—Morris Co. plans to hard surface 33 mi. Old Trails Rd. across county. J. M. Lowe, pres. Natl. Old Trails Assn.

Kan., Fredonia—Wilson Co. preparing plans graveling 50 mi. roads. H. S. McFadden, co. engr.

Kan., Wichita—City passed resolution to pave Waco Ave. from 15th to 18th St., vertical fiber brick, and Buffum Ave. from Riverside Ave. to Riverside Dr., sheet asphalt. P. L. Brockway, city engr.

South Dakota—State Highway Comn., Pierre, plans to appropriate $25,000 for county highways. A. Peck, state road engr.

S. D., Sioux Falls—Minnehaha Co. plans to build 21 mi. macadam road from here to Dell Rapids. About $262,500.

Mont., Bozeman—City plans paving streets in Dist. No. 154, standard crushed rock bitulithic or some other hardsurface material. About $24,430. C. C. Widener, city engr.

Mont., Livingston—Park Co. plans to build highway from Gardiner to Meagher Co. line on Park-to-Park Highway. Federal Government to contribute $30,000 toward cost.

Mo., Clayton—St. Louis Co. plans road through Allenton, Eureka, Crescent, Valley Park, Kirkwood, Glendale, Webster Groves and Shrewsbury Twps., and along Watson Rd. into St. Louis. About $300,000.

Mo., Pleasant Hill—City plans improving portion 1st St., including grading, shouldering, surfacing and macadamizing with crushed rock.

Mo., St. Louis—City Plan Comn. plans to improve various streets, including opening of semicircular street as extension of Morgan St.; building twin cut-off on east side of Grand Ave. leading in opposite directions to Pine St. and Lawton Ave.; widening Lindell Ave. and other downtown streets. E. E. Kinsey, pres. bd. pub. serv.

Ark., Osceola—Mississippi Co. plans to build Osceola-Little River Rd.

Ark., Van Buren—Crawford Co. Comrs. soon lets contract building 35 mi. of Van Buren-Winslow Pike to connect Van Buren with modern highway extending down to North Arkansas from Kansas City and St. Louis. Cost to be borne be county, state, federal government and Frisco Lines. Noted Oct. 18.

Streets and Roads (Continued)

Tex., Baird—Callahan Co. plans election Dec. 21 to vote on $100,000 bond issue constructing highway through Baird, Clyde and Putnam. Noted Apr. 5.

Tex., Bryan—Brazos Co. plans election to vote on $70,000 bond issue to build roads in Millican Dist.

Tex., Decatur—Wise Co. voted $80,000 bonds to build Meridian Highway through county. Noted Oct. 25.

Tex., Dickens—Comrs. Court of Dickens Co. voted $400,000 bond issue to build roads. Noted Nov. 15.

Tex., Fairfield—Freestone Co. Rd. Dist. No. 2, voted $20,000 bond issue for road work.

Tex., Roby—Fisher Co. Comrs. plan election Dec. 17 to vote on $250,000 bond issue for road work.

Tex., Sweetwater—Nolan Co. voted $100,000 bonds to build roads. Noted Oct. 18.

Tex., Vernon — Wilbarger Co. voted $115,000 bonds to build roads in Dist. No. 1. Noted Nov. 8.

Okla., Bartlesville—City soon lets contract repaving 2nd and 3rd Sts. from Dewey Ave. to railroad tracks, vertical fibre brick. About $14,000. E. D. Kirkpatrick, city engr. Noted Aug. 16.

Okla., Waurika — Jefferson Co. Comrs. plan to appropriate $10,700 for highway improvements, including grading and bridge building on Chisholm trail from Stephens Co. line to Red River.

Okla., Woodward—(Official)—Woodward Co. defeated $675,000 bond issue to build roads and bridges. Noted Nov. 8.

Colo., Conejus—Conejus Co. plans to build road over Cumbres Pass from Antonito to Elk Creek. About $30,000.

Wash., Goldendale—Klickitat Co. rejected bids grading and macadamizing about 16 mi. Permanent Highway No. 6, known as White Salmon-Snowden Rd. Noted Oct. 25.

Wash., North Yakima — Yakima Co. Comrs. plan to build 11.95 mi. McClellan Pass Highway; about $80,587. County to pay $17,625, state, $22,669, and Federal Government, $40,293. Noted Aug. 16.

Wash., Waterville—Dougals Co. rejected bids building Permanent Highway No. 4A, 1½ mi., involving grading, draining and surfacing with crushed rock. About $10,194. Noted Oct. 25.

Oregon—State Highway Comn., Salem, having plans prepared building Pacific Highway between Albany and Jefferson, 9 mi.

Ore., North Bend—City plans about 1 mi. concrete paving, 16 ft. wide. R. L. Cavanaugh, city engr.

California—State Highway Comn., Sacramento, soon lets contract paving highway in Eldorado Co. A. B. Fletcher, Sacramento, state highway engr.

Cal., Alturas—Modoc Co. plans to build road from Alturas to Nevada line, 32 mi., to open up lateral from main valley trunk line to State Highway into Nevada. Federal Government will contribute towards cost.

Cal., Bakersfield — Kern Co., (Bakersfield), and San Luis Obispo Co., (San Luis Obispo), and State Highway Comn., Sacramento, plan to build 91.22 mi. highway from Wasco to Paso Robles through both counties. About $982,893. State will appropriate $460,865 toward cost.

Cal., Hamilton City—Glenn Co. plans to form boulevard district to build 14 mi. concrete highway from Monroeville north to county line and from Gianella Bridge to western boundary of district.

Cal., Los Angeles—Los Angeles Co. plans to organize road improvement district to build 74 mi. road in Antelope Valley. F. H. Joyner, co. road comr., preparing plans.

Cal., Newport Beach—City plans to pave Central Ave., 4-in. concrete, with 2-in. Topeka surface; Bay Ave., 4-in. concrete with 1-in. Topeka surface; also cement sidewalks on various other streets.

Cal., San Francisco—State Bd. Harbor Comrs., Sacramento, soon lets contract paving east side of Embarcadero between piers 7 and 17, including 60,000 sq.ft. bituminous, concrete pavement, and relaying 30,000 sq.ft. base-block pavement.

Cal., Santa Ana—City plans improving North Parton St., including curbing, grading and macadamized pavement; 4th St. between Bristol and Artesia St., 4 in. concrete base and 1½ in. asphaltic oil wearing surface. C. Bonebrake, city engr.

Cal., Santa Cruz—City soon receives bids paving various streets. G. Cromwell, city engr.

BIDS DESIRED

Mass., Fitchburg—(Official)—Until Dec. 15 by Dept. Streets & Engr., furnishing paving material. W. J. Gannon, acting comr.; advertised in this issue.

N. J., Elizabeth—Until Dec. 4 by Bd. Freeholders, Union Co., improving Washington and South Aves., and Edgar Rd., stone and tarvia, about 6600 lin.ft. J. L. Bauer, 120 Broad St., co. engr.

N. J., Elizabeth—Until Dec. 27, by city, paving portion Valley St., Vaux Hall Dist., macadam on macadam base. T. E. Collins, city engr.

Pennsylvania—(Official)—Until Dec. 11, by State Highway Comn., Harrisburg, for road work in Erie and Clearfield Cos.; advertised in this issue.

Va., Eastville—Until Dec. 3, by Northampton Co., building road between Persimon Tree and Salt Works in Franktown Dist., 1½ mi.

Ala., Geneva—Until Dec. 11, by Geneva Co., building portion Samson & Opp Rd., part of State Trunk No. 12. W. S. Keller, Montgomery, state highway engr.

Ala., Jasper—Until Dec. 15, by Walker Co., building portion Jasper & Birmingham Highway, being part of State Trunk Rd. No. 9, between Jasper and Birmingham, 4.5 mi. long, including 10,071 cu.yd. earth excav., 5 acres clearing and grubbing, 415 ft. culvert pipe, 3590 cu.yd. crushed sandstone. W. S. Keller, Montgomery, state highway engr.

Miss., Woodville—Until Dec. 4, by Wilkinson Co., improving several roads, including grading and building small bridges, culverts and abutments and vitr. iron pipe for drains. L. Lewis, clk.

Ind., Anderson—Until Dec. 12, by Madison Co. Comrs. paving Meridian Ave. Former contract rescinded. Noted Nov. 22.

Ia., Jefferson — Until Dec. 4, by Bd. Supervs. Green Co., furnishing, delivering and spreading gravel on Junction-Dana Rd., Panora Rd., Rippley-Dawson Rd., Jefferson-Bagley and Farlin-Churdan Rds.

Neb., Kearney—Until Dec. 3, by C. D. Swan, city clk., for paving Dist. No. 29, about 10,112 sq.yd.; alternate bids on sheet asphalt, vertical vibre brick, asphaltic concrete and concrete pavement. H. W. Kibbey, city engr.

Mo., Jefferson City—Until Dec. 6 by Cole Co. for improving, grading, graveling and building rein.-con. culverts, etc., portions of Henley and Marys Home Rd., Hough Park Dr., Osage Bend and Williams Ferry Rds., and Russelville-Centertown Rds., Boonville and Decatur Rds., roads in Dist. No. 9. F. C. Harding, co. highway engr.

Tex., Gilmer—(Official)—Until Dec. 10, by Upshur Co. court, grading and surfacing roads. W. H. McClelland, co. judge. Noted Oct. 25.

Washington—Until Dec. 10, by State Highway Comn., Olympia, clearing, grading and draining, 5.21 mi. Pacific Highway between Woodland and Martins Bluff, in Cowling Co.; widening embankment and changing tracks of Southern Pacific Ry. System west of Cooks in Skamanie Co., involving 30,000 cu.yd. embankment.

Cal., San Diego—Until Dec. 3, by A. H. Wright, city clk., grading Upas St. between Granada Ave. and line 120 ft. west, and Abbott St. from Long Beach Ave. to Brighton Ave. G. Cromwell, city engr.

Cal., Yreka—Until Dec. 4, by W. J. Neilon, clk., Siskiyou Co., building Sanborn Hill Rd.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass. Boston—City received low bids paving Fens Pkway., from Warren Bros., 142 Berkeley St., bitulithic, $17,207; Rowe Constr. Co., 1607 Commonwealth Ave., Brighton, sheet asphalt, $16,712; asphaltic concrete, $17,762.

★**N. Y., Lawrence** — Village let contract building 6 in. concrete pavement, 18 ft. wide, to Ganford Co., 581 Jackson Ave., Long Island City, $13,245. Noted Oct. 25.

N. Y., New York—M. Marks, boro. pres., received low bids Nov. 13, regulating and repaving roadway of 52nd St., from point 68 ft. west of Park Ave. to 5th Ave., sheet asphalt on concrete foundation, from Cleveland Trinidad Pav. Co., Flushing, $13,101; Asphalt Constr. Co., 2197 Madison Ave., $13,447; Uvalde Asphalt Paving Co., 1 Bway., $14,060; grading and regulating Laurel Hill Terrace from West 181st to West 184th St., and flagging West 184th St., Laurel Hill Terrace, to Amsterdam Ave., from Burnside Contg. Co., 270 Burnside Ave., $17,457; N. Di Menna, 2336 Cambrelling Ave., $18,363; Angelo Contg. Co., $19,059.

★**N. Y., New York**—M. M. Marks, boro. pres., let contract regulating and paving Riverside Dr. Service St. from 162nd to 165th St., sheet asphalt, to Asphalt Constr. Co., 2197 Madison Ave. About $12,563.

★**N. J., Freehold**—Bd. Freeholders Monmouth Co. let contract building Freehold-West Freehold Rd., to R. Hafeman Co. About $36,024.

★**N. J., Mount Holly** — (Official) — Bd. Freeholders Burlington Co. received no bids paving 4-mi. highway between Wrightstown and Georgetown. Work will be done by convict labor. Noted Nov. 15.

N. J., New Brunswick—Middlesex Co. received low bids paving and improving (a) Sect. 1 of River Rd., in Piscataway and Highland Park, warrenite on macadam foundation, (b) Sect. 2, same road, from T. H. Riddle, 102 Church St., (a) $163,490; Meagher & Smith, 211 Market St., Perth Amboy, (a) $164,426; (b) $150,196; Utility Constr. Co., 46 Paterson St., (a) $166,859, (b) $149,922; Liddle & Pfeiffer, 137 New Brunswick Ave., Perth Amboy, (a) $168,360, (b) $149,203. Noted Nov. 8.

Pa., Norristown — Montgomery Co. received only bid building 7 mi. Germantown Rd. from DeKalb St. Rd. to Collegeville, from Union Paving Co., 30th and Locust Sts., Phila. About $177,469. Noted Oct. 25.

Pa., Phila.—(Official)—G. E. Datesman, dir .pub. serv., received low bids for 32,121 cu.yd. grading from J. McMenany & Co., 512 Walnut St.; D. Duffing, 2501 East Lehigh Ave., average price $.92 per cu.yd.; constructing portion of Pkway., east of 17th St. to Race St., from J. J. McHugh, 1430 South Penn Sq., $44,437. Noted Nov. 8.

★**N. C., New Bern**—City let contract building about 1 mi. of brick streets, connecting Neuse River Co. bridge with improved county highway leading through Vanceboro, to Georgia Eng. Co. About $12,000.

★**Ala., Brewton**—Escanaba Co. let contract building 9 mi. sand clay road between Andalusia and Brewton (portion of state highway through southern Alabama), to J. N. Gillis & Sons, Brewton. About $21,276. Noted Nov. 1.

★**Ala., Troy**—City let contract for 12,000 sq.yd. paving and several thousand sq.yd. sidewalks to Southern Clay Mfg. Co., Jones Bldg., Chattanooga, Tenn. About $45,000.

★**La., Baton Rouge**—East Baton Rouge Co. let contract building road, to S. A. Gano, Jackson, Miss. About $50,000. Noted Nov. 1.

★**Tenn., Clarksville**—(Official)—City let contract paving portions 3 streets, involving 15,000 sq.yd. asphaltic concrete on concrete base, to West Constr. Co., 10th and Market Sts., $33,353. Noted Nov. 1.

★**O., Bryan**—(Official)—City let contract improving and paving 2 sections of Union St., to Brooke Constr. Co., 2104 Miner St., Ft. Wayne, Ind., $22,000. Noted Oct. 25.

★**O., Canton**—Stark Co. let contract grading, paving and curbing Georgetown Rd., to F. A. Downs, 609 2nd St., N.E., $34,000; building Justus Beach City Rd., to Seipel & Wolf Constr. Co., Wick Bldg., Youngstown, $53,000.

★**O., Cleveland**—City let contract paving portion Archwood Ave., to Roehl Bros., West 25th St. and Clark Ave., $39,887. Noted June 14.

★**Michigan**—(Official)—State Bd. Lansing, appropriated $35,000 and Monroe Co. $15,000 to build military road between Detroit, Mich. and Toledo, O. Work will be done by day labor under direction of Monroe Co. Noted Nov. 15.

Streets and Roads (Continued)

★**Ill., Joliet**—City let contract paving Jackson St. from Chicago to Collins St., to R. F. Conway Co., Chamber of Commerce Bldg., Chicago, $29,770.

★**Minn., Duluth**—St. Louis Co. let contract paving 4 mi. road in Stuntz Twp., to E. W. Coons Co., 230 Center St. About $0.74 per sq.yd.

Neb., Holdredge—(Official)—City received low bids improving streets in Dist. No. 1, involving 39,100 sq.yd. pavement, 4442 ft. curb, 10,053 lin.ft. curb and gutter, from E. D. Tyner Constr. Co., Kansas City, Mo. Class A brick, $2.54; Class B, $2.39; Roberts Constr. Co., 510 1st Natl. Bank Bldg., Lincoln, Class A, brick, $2.53; Class B, $2.39. Noted Nov. 1.

★**Tex., Houston**—Harris Co. let contract improving Telephone Rd., to Haden & Austin, $29,970.

★**Colorado**—(Official)—State Highway Comn., Denver, let contract building Sect. 1, Fall River Rd., between Fall River and Milner Pass, Larimer Co., to Jacobson & Severson, Boulder, $20,303. Noted Nov. 8.

★**Ore., Portland**—City plans to repave Terwilliger Blvd. by day labor. About $23,390.

★**California**—(Official)—State Highway Comn., Sacramento, let contracts paving in various counties as follows:

Los Angeles Co., between San Fernando and Rancho Tujunga, Div. 7, Route 9, Sect. A, to A. L. McCrary, 422 Amer. Bank Bldg., Los Angeles.

Humboldt Co., between Garberville and Miranda, Div. 1, Route 1, Sect. B, to Palmer & McBryde, Hooker and Lent Bldg., San Francisco.

Fresno Co., between Malaga and Fresno, Div. 6, Route 4, Sect. B, to Blanchard-Brown Co., New Call Bldg., 74 Montgomery St., San Francisco.

San Luis Obispo Co., between Santa Maria River and Arroyo Grand, Div. 5, Route 2, Sect. F, to W. A. Dontanville, Los Angeles.

Nevada Co., grading 9 mi. between southerly boundary and Rattlesnake Creek, Div. 3, Route 17, Sect. A, to A. J. Fairbanks, Willits, $83,221. Noted Nov. 1.

★**Cal., Los Angeles**—City let contract grading, paving, and building storm drain in 10th St. between Vermont Ave. and line 92 ft. west of Gramercy Pl., warrenite on 5 in. concrete base, to Fairchild-Gilmore Wilton Co., Pacific Electric Bldg., $33,800. Noted Oct. 18.

★**Cal., Los Angeles**—Los Angeles Co. let contract improving Lexington and Gallatin Highway, to Redondo Constr. Co., 218 South Redondo Ave., Redondo Beach, $18,500.

Cal., San Diego—City received lowest bid improving Utah St. from Upas St. to University Ave., including 142,630 sq.ft. 4 in. concrete paving, 2896 sq.ft. cement walk, 575 lin.ft. cement curb, ten 4-in. and thirteen 6-in. sewer laterals, 2676 ft. 6 in. Class A water pipe, etc., from G. R. Daley, 440 McNeece Bldg. About $24,707. Noted Sept. 27.

★**Cal., Ukiah**—Mendocino Co. rejected only bid building Elk Creek-Greenwood Rd. About $15,000. Work will be done by day labor.

★**Que., Contrecoeur**—Town Council let contract building macadam road, to Gaudette & Lachapelle, St. Ours. About $10,531.

★**Que., Grand Mere**—City let contract building concrete highway to A. Carrier, Ste. Tite de Champlain. About $300,000.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

New Jersey—Bd. Pub. Utility Comrs. granted permission to Erie R.R. to issue $15,000,000 bonds to improve its lines and system. R. S. Parsons, 50 Church St., New York City, ch. engr.

Tennessee—Yazoo & Mississippi Valley R.R. increased its capital stock from $15,000,000 to $21,553,300, and plans to double-track line from Memphis to Vicksburg, Miss., about 190 mi. Work to be done at rate of 20 mi. a year. A. H. Egan, Memphis, supt.

Kansas—Dodge City & Cimarron Valley Ry., subsidiary Atchison, Topeka & Santa Fe Ry., plans to build line from Satanta, west to Colorado line, about 62 mi. Work involves moderately heavy grading. C. F. W. Felt, Ry. Ex. Bldg., Chicago, ch. engr.

Idaho—American Smelting & Refining Co., 120 Bway., New York City, plans to build 14-mi. railroad from Lewiston up South Fork of Clearwater River to Northern Pacific R.R. at Stites.

California—Clear Lake R.R. granted permission by State R.R. Comn. to issue $1,152,900 bonds to build line from Hopland, Mendocino Co., to Lakeport, Lake Co., about 23 mi. M. S. Sayre, Lakeport, vice-pres.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wyoming**—Union Pacific R.R. let contract double tracking and grading line between Le Roy and Aspen and Atlamont and Evanston, about 16 mi., to Utah Constr. Co., McIntyre Bldg., Salt Lake City, Utah.

EXCAVATION AND DREDGING

Proposed Work

Ia., Mason City—Drainage—Cerro Gordo Co. rejected bids opened Nov. 7, building D. D. No. 49, Sect. 1, involving 3200 ft. 9-28-in. tile, Sect. 2, 17,850 ft. 8-18-in. tile. G. E. Frost, aud. Noted Nov. 1.

Minn., Bagley—Ditch—Clearwater Co. sold $65,500 bonds to build Judicial Ditch No. 3. H. K. Rude, co. aud.

Utah, Fillmore—Drainage—Millard Co. plans to sell $54,000 bonds, Dec. 8, for drainage improvements. G. W. Cropper, Deseret, pres. of project.

Utah, Kanab—Irrigation—H. A. Parkyn, 1511 Marquette Bldg., Chicago, applied to G. F. McGonagle, state engr., for permission to use 100,000 acre-feet water from Paria River to irrigate land in Kane Co.

Ore., Bend—Irrigation—North Unit Irrigation Dist., Deschutes Co., voted $5,000,000 bonds to build irrigation system to cover 100,000 acres.

Ore., Grants Pass—(Official)—Irrigation—Grant Pass Irrigation Dist. receiving bids about Dec. 1 for district covering 5250 acres, involving 35 mi. main canal, laterals, flumes, tunnels, etc. About $250,000. G. A. Hamilton, Secy. Noted Sept. 20.

Cal., Hanford—Irrigation—Lakeland Canal Co. plans to repair canal, 35 mi. long, to irrigate 30,000 acres. About $25,000. Address E. E. Bush.

BIDS DESIRED

N. Y., Albany—(Official)—Canal—Until Dec. 20, by W. W. Wotherspoon, supt. Pub. Wks., Capitol, repairing and waterproofing existing concrete lining and placing new concrete lining in Canal, Little Falls, Cont. No. 181; advertised in this issue.

N. Y., New York—Excavation—Until Dec. 6, by F. J. H. Kracke, comr. plant and structures, Municipal Bldg., excavating and dredging at site of Eastchester Bridge.

Ind., Anderson—(Official)—Drain—Until Dec. 5, at office of A. C. Call, atty., Phoenix Bldg., Anderson, building Sarah E. and William O. Canady Drain No. 2192, involving 16,776 ft. 6-24-in. tile, 10,979 cu.yd. excav. About $11,738. H. L. Jones, supt. of constr.

Ia., Clarion—Drainage—Until Dec. 10, by F. E. Osier, aud., Wright Co., building Franklin-Wright Joint Drain Nos. 8-159, involving 46,756 ft. 6-28-in. tile; Franklin-Wright Joint Drain Nos. 6-141, involving 53,958 ft. 6-30-in. tile, etc.

Minn., Litchfield—Ditch—Until Dec. 4, by A. O. Palmquist, aud., Meeker Co., building Co. Ditch No. 47, involving 165,451 cu.yd. excav., four 28-ft. I-beam bridges, etc. About $17,345.

Cal., El Centro—Irrigation—Until Dec. 14, by Imperial Irrigation Dist., for raising volcano and Saiz levees. Former job will involve 555,000 cu.yd. excav., by train and steam shovel, and must be completed by Apr. 15; latter job about 240,000 cu.yd. excav., mostly by teams and scrapers and must be completed by Apr. 1. Rock riprap will be constructed later. Cost about $500,000. C. K. Clarke, ch. engr. F. H. McIver, clk. Noted June 7.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pa., Phila.—(Official)—Dredging—G. E. Datesman, dir. pub. serv., received only bid dredging creeks in 40th Ward, from Chew Bros., Mantus, N. J., $10,380. Noted Nov. 8.

★**Ia., Algona**—Drainage—Bd. Superv. Kossuth Co. let contract building D. D. No. 152, to Berkland & Littell, Eagle Grove, Ia., $26,594; D. D. No. 153 and Sub. D. D. No. 6, to Welp Cement Products Co., Bancroft, Ia., $20,373 and $19,483 respectively. Noted Oct. 25.

★**Ia., Clarion**—Drainage—Wright Co. let contract labor for building Franklin-Wright Joint Nos. 8-159 to M. Jensen, Clear Lake, Ia., for Franklin-Wright Joint Drain Nos. 6-141 to J. S. Jensen, Rutland, Ia. Bids for material will be readvertised. Noted Nov. 8.

★**Minn., Anoka**—(Official)—Anoka Co. let contract building Co. Ditch No. 59, as follows: W. R. Ewing, Inc., 112 West Adams St., Chicago, floating dredge work, $16,707; S. H. Adams, Long Prairie, Minn., dry works, $17,416. Noted Nov. 15.

INDUSTRIAL WORKS

Proposed Work

Mass., New Bedford—Manomet Mills, Riverside Ave., plans 2-story, 80 x 189-ft. addition to its plant. About $200,000.

Mass., West Springfield—Boston & Albany R.R. plans to build transformer station here. About $35,000. F. B. Freeman, Boston, ch. engr.

N. Y., Brooklyn—Roberts Numbering Machine Co., 706 Jamaica Ave., having plans prepared by W. C. Winters, archt., 106 Van Siclen Ave., for 2½ story addition to its factory, Jamaica Ave. About $30,000.

N. Y., New York—S. Ransom, 401 West St., plans 4-story, 64 x 81-ft. addition to its boiler factory. About $60,000.

N. Y., New York—J. L. Schnurmacher, 402 East 108th St., had plans prepared by O. L. Spannhake, archt., 13 Park Row, 2-story, 100 x 150-ft. public garage, 1190 62nd Ave. About $50,000.

N. Y., Rochester—C. D. Brown Co., 6 Redfield St., rejected bids building 3-story, 48 x 75-ft. tannery. About $25,000. Foote, Headley & Carpenter, 401 Carter Bldg., archts.

N. Y., Syracuse—Church & Dwight Co., 27 Cedar St., New York City, having plans prepared by Starrett & Van Vleck, archts., 8 West 40th St., New York City, 3-story, 93 x 240-ft., rein.-con. warehouse, Willis Ave. About $100,000. E. A. Schroeder, 1416 Willis Ave., local mgr.

N. Y., Watertown—City having plans prepared by S. M. Greene & Co., engrs. and archts., 293 Bridge St., Springfield, Mass., building power plant and fireproof power house about 1½ mi. from city. Cost, $300,000.

N. J., Cartaret—United States Metal Refining Co., Chrome, N. J., secured 120 acres land here and plans to build plant.

N. J., Jersey City—Brandis & Co., Inc., 15 Exchange Pl., recently organized with $100,000 capital stock, plans to build factory here.

N. J., Jersey City—Pennsylvania R.R. had plans prepared by Maintenance of Way Dept., Phila., for addition of 19 stalls at engine terminal here. A. C. Shand, Broad St. Sta., Phila., ch. engr.

N. J., Newark—Bonnell Motor Car Co., 520 Broad St., having plans prepared for 1-story, 110 x 180-ft. machine shop and service station, 39 Sussex Ave. About $35,000.

N. J., Newark—Heller & Merz, Hamburg Pl. Rd., plan to build two 1-story, 70 x 200-ft. factories. About $56,000.

N. J., Newark—E. & H. Levy, 35 Maiden Lane, New York City, had plans prepared by F. A. Phelps, archt., Union Bldg., for factory on Purdy St. About $75,000.

Pa., Erie—Bay City Forge Co. plans 1-story, 67 x 176-ft. brick and steel machine shop. E. C. Parshall, Cranberry and West 18th Sts., genl. mgr. A. F. Schotte, engr., 405 Palace Hardware Bldg., soon receives bids.

Pa., Lancaster—Rowe Motor Mfg. Co., Downington, purchased 5-acre tract and plans to build factory here. S. J. Rowe, pres.

Pa., Pittsburgh—Electric Co., Lexington Ave., having plans prepared by C. D. Cooley & Co., archt., Century Bldg., Pittsburgh, Pa., for 50 x 200-ft. brick factory. About $40,000.

Industrial Works (Continued)

Pa., Pittsburgh — Miller-Owen Electric Co., had plans prepared by C. D. Cooley Co., archts., Century Bldg., for 50 x 200-ft. plant near switch of Penn. R.R. About $40,000.

Pa., Pittsburgh—Ward Mackey Biscuit Co. having plans prepared for factory on North Lexington Ave. About $350,000.

Del., Wilmington—Cahill Bros., 2nd and French St., had plans prepared for automobile repair shop and show room. About $30,000. J. P. Cahill, mgr. J. J. Kennedy, 925 Market St., archt., soon lets contract.

Md., Baltimore—Corkan & Hill Co., Union Stockyards, soon receives bids building 3-story, brick and rein.-con. plant. Noted Nov. 8.

Va., Norfolk—Natl. Concrete Boat Co., recently organized with $1,000,000 capital stock, had plans prepared for shipbuilding plant here.

Va., Pulasky—Natl. Carbide Co. recently increased capital stock from $350,000 to $600,000 and plans additions to its plant here. S. M. Buck, pres.

W. Va., Morgantown — American Sheet Tin Plate Co., plans large factory at Barbarton, suburb of Morgantown.

S. C., Charleston—Southern Shipbuilding Corp., recently organized by Whittelsey & Whittelsey, naval archts., 17 Battery Pl., New York City, will build shipyard here to construct fabricated steel ships for U. S. Government, having obtained large contract from Emergency Fleet Corp. H. Newton Whittelsey, pres.

La., New Orleans—Morris & Co., Union Stock Yards, Chicago, plans 3-story brick addition to packing plant here. About $100,000.

O., Bedford—Owen Tire & Rubber Co., 1900 Euclid Bldg., Cleveland, receives bids about Dec. 10 for 1- and 2-story, 20 x 40-ft. and 60 x 340-ft. factory and power house. About $125,000. W. C. Owen & Co., 1900 Euclid Ave., Cleveland, archts. Noted Nov. 15.

O., Cleveland—G. Malham, 689 East 99th St., had plans prepared for 1-story, 40 x 150-ft. garage. About $25,000. J. Collins, 1025 Illuminating Bldg., archt., soon lets contract.

O., Cleveland—Westinghouse Electric & Mfg. Co., 413 Huron Rd., plans 1- and 2-story, 150 x 150-ft. addition to its foundry, 1228 West 58th St.

O. Toledo—Long Dressed Beef Co., 2351 East 4th St., soon lets contract, 2-story, 57 x 83-ft. packing plant, West 68th St. and Cleveland, Cincinnati, Chicago & St. Louis R.R. About $30,000. E. G. Long, mgr. J. Kalsch, 4500 Euclid Bldg., archt.

O., Toledo—Swiss Magneto Co., Monroe, O., recently organized with $400,000 capital stock, plans factory here between Pinewood and Norwood Aves. A. A. Megget, pres.

O., Youngstown—Amer. Sintering Co., 10 Poland Ave., plans to rebuild its plant recently destroyed by fire. About $75,000.

Mich., Detroit—Chevrolet Motor Co., 1244 Woodward Ave., plans new factory, also addition to its present plant here. About $100,000 and $300,000 respectively.

Mich., Detroit—Detroit Steel Products Co., East Grand Blvd. and Griffin St., had plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, for 1-story, 79 x 270-ft. and 90 x 168-ft. sash shop. About $100,000.

Mich., Detroit—Schoen Bros., 322 Decatur St., Atlanta, Ga., plan to build abattoir opposite Detroit stock yards here. About $125,000.

Mich., Detroit—Wayne Co. having plans prepared by F. F. Van Tuyl, engr., 1112 Union Trust Bldg., for light and power plant on Randolph St. About $100,000.

Ill., Chicago—J. Davis, 1400 Milwaukee Ave., plans 4-story, 73 x 125-ft. factory, at Milwaukee Ave. and Lincoln St. About $125,000.

Ill., Chicago — E. S. Gamble, Gladstone Hotel, plans to build garage on 138th St. About $42,500.

Ill., Chicago—Hotpoint Electric Heating Co., Ogden Ave. and 22nd St., plans to build factory here. About $250,000.

Ill., Chicago—Marshall Field & Co., State and Washington Sts., had plans prepared for 2-story garage. About $60,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., archts., soon let contract.

Ill., Chicago — C. Quinlan, 124 South Green St., plans 4-story factory. About $30,000. A. F. Pashley, 431 South Dearborn St., archt.

Ill., East St. Louis—B. Gratz, c/o Amer. Mfg. Co., 1026 South 11th St., St. Louis, Mo., having plans prepared by Klipstein & Rathman, archts., Chemical Bldg., St. Louis, Mo., for 1-story, 60 x 80-ft. power plant and 1-story, 60 x 70-ft. machine shop. About $40,000 and $30,000 respectively.

Wis., Eau Claire — United States Auto Gear Shift Co., Eau Claire, plans 2-story, 100 x 165-ft. brick, steel and concrete plant. About $90,000. N. J. Whelan, pres.

Wis., Eau Claire—United States Switch Co. receives bids about Dec. 1 for 60 x 130-ft. rein.-con. forge shop. T. C. Hadley, genl. mgr. Noted Nov. 15.

Wis., Kenosha—White, White & White, archts., soon let contract for 1-story, 70 x 125-ft. brick, steel and concrete addition to Arneson Foundry Co., 319 Exchange St. About $50,000.

Wis., Milwaukee—See "Buildings."

Wis., Oshkosh — Oshkosh Storage Co., Oshkosh, plans 5-story, 60 x 90-ft. rein.-con. and steel cold-storage plant. About $75,000.

Wis., Port Washington—Turner Mfg. Co. has increased its capital stock from $150,000 to $250,000, and plans to build addition to its factory here. M. Turner, vice pres.

Wis., Racine—J. I. Case Plow Co., Mead St., plans 4-story, 105 x 123-ft. brick warehouse. About $50,000. A. A. Guilbert, Robinson Bldg., archt.

Ia., Charter Oak—Godbersen Co., Dennison, plans to build 2-story, 100 x 150-ft. factory, concrete. About $50,000.

Minn., Stillwater—Twin City Forge & Fdry. Co., subsidiary of Minneapolis Steel & Machinery Co., 29th St. and Minnehaha Pkway, Minneapolis, plans to build large munitions factory here. G. A. Atwood, Stillwater, pres.

Tex., San Antonio—Missouri, Kansas & Texas R.R. plans to build ice and cold storage plant here. About $100,000. F. Ringler, Dallas, ch. engr.

Tex., Victoria—City had plans prepared for electric-light plant. About $40,000.

Wash., Seattle—Barton & Co., Spokane Ave. and Wyoming St., plans to build packing plant in Duwamish Valley. About $250,000.

Cal., Sacramento—J. H. Herspring & Co., Superior California representatives of State Prune & Apricot Growers' Assn., plans to build 4-story, 30 x 160-ft. rein.-con. packing plant, 12th and B Sts. About $200,000.

Que., Montreal — Canadian Steel Foundries Co., Inc., 120 St. James St., plans to build addition to its plant. About $60,000.

Ont., Essex—Essex Tractor Co., Essex, having plans prepared for factory and foundry. About $50,000.

Ont., Eugenit — Hydroelectric Power Comn. having plans prepared for addition to its power plant. About $75,000.

Ont., Lindsay—Grand Trunk Ry. had plans prepared for roundhouse, machine shops and coal hoist. About $100,000. J. D. McMillan, Belleville, supt. of div. H. R. Safford, Montreal, Que., ch. engr.

Ont., Toronto—Dominion Shipbuilding Co., Ltd., purchased 15-acre site on water front, and plans shipbuilding plant between Spadina Ave. and Queen's Wharf.

Ont., Toronto — W. Williamson plans to build addition to planing mill on Woodbine Ave. About $35,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Oakland**—Amer. Woolen Co., Shawmut Natl. Bank Bldg., Boston, let contract power house, to E. W. Pitman Co., Bay State Bldg., Lawrence, Mass., $75,000.

★**Mass., Cambridge**—Worthington Pump & Machinery Co. 265 3rd St., let contract 1-story, 81 x 121-ft. foundry, to Aberthaw Constr. Co., 27 School St., Boston. About $48,000.

★**N. Y., New York**—Baker & Williams, 519 West 29th St., let contract 9-story, 100 x 100-ft., fireproof warehouse at Greenwich and Leroy Sts. to Cauldwell-Wingate Co., 381 4th Ave. About $300,000.

★**N. Y., New York**—Willoughby Garage Corp., 25 Court St., let contract 2-story, 92 x 154-ft. rein.-con. garage, 238-66 West 19th St., to G. & M. Impvt. Co., 26 Court St., $100,000. Noted Oct. 25.

★**N. Y., Rochester**—Rochester Light & Power Co. let contract 4-story, 35 x 50-ft. addition to power plant, to Turner Constr. Co., 244 Madison Ave., New York City.

★**N. Y., Utica**—West End Brewing Co., 811 Edward St., let contract 3-story, 72 x 150-ft. bottling plant, to P. Kerner & Son, 538 Canal St.

★**N. J., Elizabeth**—Waclark Wire Co. let contract 2-story, 105 x 177-ft. factory addition to Almion Eng. & Contg Co., 25 Church St., New York City. About $100,000.

★**N. J., Jersey City**—Amer Can Co., 120 Bway., New York City let contract 4-story, 172 x 200-ft. addition to storage building, Communipaw Ave., near Woodward St., to W. L. Goeltz, Inc., 50 Broad St., New York City. About $500,000. Noted July 26.

★**N. J., Jersey City**—Central R.R. of New Jersey let contract 1-story power plant to Westinghouse, Church, Kerr & Co., 37 Wall St., New York City. About $150,000.

★**Pa., Phila.**—City let contract building power house at Vintage and University Aves., to Standard Constr. Co., 1713 Sansom St., $238,000.

★**Pa., Phila.**—W. Cramp & Sons, Richmond and South Morris Sts., let contract 1-story, 58 x 100-ft. and 120 x 120-ft. shops, to Joffman Eng. & Constr. Co., Pennsylvania Bldg. About $35,000.

★**Pa., Phila.**—M. Lloyd & Co., 20th and Ridge Ave., let contract building 1-story, 25 x 70-ft. garage to E. E. Hillonback, 1809 Brandywine St., $25,000.

★**Pa., Phila.**—W. T. White let contract 1-story, 215 x 353-ft. brick machine shop, 20th St. and Erie Ave., to Watson Eng. Co., 216 North Broad St. About $130,000.

★**Tenn., Paris**—(Official)—Louisville & Nashville R.R. let contract building addition to roundhouse, to G. H. Rommel Co., 639 South Campbell St., Louisville, Ky. About $60,000. Noted Nov. 8.

★**O., Akron**—Northern Ohio Traction & Light Co., Hamilton Bldg., let contract 1-story, 44 x 175-ft. garage to H. P. Moran Co., 425 2nd Natl. Bank Bldg., $30,000.

★**O., Cincinnati**—Seton Realty Co., 136 East 4th St., let contract 3-story, 40 x 65-ft. sales and service station, to Leibold, Gott Bldg. Co., 134 East 4th St., $28,000.

★**O., Cleveland**—Hydraulic Pressed Steel Co., 3152 East 61st St., let contract brick and steel plant to Westinghouse, Church, Kerr & Co., 37 Wall St., New York City. About $1,500,000.

★**O., Columbus**—Pennsylvania Lines West of Pittsburgh (Southwest System), let contract 2-story, 83 x 108-ft. flue shop and 2-story, 95 x 300-ft. tank shop, to D. W. McGrath, 801 New 1st Natl. Bank Bldg. Noted Aug. 16.

★**Mich., Detroit**—Detroit Nut Co., foot of Lycaste Ave., let contract 2-story brick and steel factory addition to Delisle & Cooper, Campau Bldg.

★**Mich., Detroit**—Dodge Bros., Campau and Hamtramck Aves., will build 600 x 800 ft. munition factory by day labor. About $1,500,000. Noted Nov. 22.

★**Mich., Detroit**—Ecorse Fdry. & Machine Co. let contract 50 x 350-ft. and 60 x 100-ft. additions to plant here, to A. K. Smith Constr. Co., 8-11 Campau Bldg. About $100,000.

★**Mich., Kalamazoo**—Monarch Paper Co. let contract 2-story, 70 x 150-ft. warehouse to H. L. Vanderhorst, 601 South Burdick St. About $30,000.

★**Wis., Green Bay**—Lucia Bros. Motor Car Co., 218-20 North Adams St., let contract 2-story, 125 x 160-ft. garage and repair shop to Fabry Constr. Co., Green Bay. About $30,000.

★**Wis., Milwaukee** — Rundle Mfg. Co., 27th and Wahl Aves., let contract 2-story, 70 x 150-ft. brick and rein.-con. warehouse to Michie Constr. Co., 300 Camp Bldg. About $40,000.

★**Wis., Shawano**—Schweers Hardware & Auto Co. let contract 1- and 2-story garage and repair shop to P. Schenk, Shawano. About $25,000.

Industrial Works (Continued)

★**Minn., Minneapolis**—Chadbourne Bros., 825 Palace Bldg., let contract 2-story, 40 x 123-ft. garage to Albinson Constr. Co., Wilmar Bldg. About $40,000.

★**Cal., Sacramento**—Libby, McNeil & Libby, 31st and P Sts., let contract rein.-con. warehouse, to Palmer & Peterson, Monadnock Bldg., San Francisco. About $14,000. Noted Nov. 8.

★**Que., Montreal**—A. R. Whittal Can Co., 740 Mullins St., let contract brick addition to factory to E. Carrigan, 318 Ballantyne Ave., N. About $25,000.

BUILDINGS

Proposed Work

Mass., Fall River—Store—W. J. Doran & Co., 105 South Main St., plans, 3-story, 50 x 85-ft., brick and terra cotta. M. J. Doran, treas.

N. Y., New Rochelle—(Official)—Theater and Store—E. F. Rush, 1482 Bway., New York City, receives bids about Dec. 15., 2-story. Cost, $150,000. De Rose & Pereira, 150 Nassau St., New York City, archts. Noted Nov. 15.

N. Y., New York—Asylum—Bd. Trustees Hebrew Orphan Asylum, Amsterdam Ave. and 138th St., plans to build group institutional buildings in Wakefield Sect. of Bronx.

N. Y., New York—Office—W. R. Grace & Co., 7 Hanover Sq., having plans prepared by J. W. O'Connor, archt., 3 West 29th St., 7-story, 46 x 70-ft. brick and stone addition at 58-60 Water St. About $200,000.

N. Y., New York—Theater, Store, Etc.—The 181st St. Constr. Co. having plans prepared by De Rosa & Pereira, archts., 150 Nassau St., 5-story, 150 x 200-ft. brick and terra cotta, Bway. and 181st St. About $500,000. S. Morse, 729 7th Ave., pres.

N. J., Fort Lee—High School—Bd. Educ. plans brick and stone. About $125,000. E. G. Kauffer, pres. E. Sibley, archt.

N. J., Jersey City—Nurses' Home and Hospital—City plans $100,000 bond issue for additions to Jersey City Hospital.

N. J., Ocean City — (Official) — Theater, Stores, Etc.—H. E. Wendell, archt., 431 Central Ave., preparing plans for 80 x 250-ft. theater, 2-story, 75 x 125-ft. observation and dance pavilion, 2-story, 75 x 125-ft. stores, 50 x 407-ft. bath house, frame construction and 2-story, 50 x 100-ft. brick swimming pool; also 125 x 400-ft. concrete piling and concrete girders ocean pier.

Pa., Harrisburg—Hotel—F. B. Aldinger, 26 Grace Ave., has purchased Senate Hotel on Market Sq. and plans to replace same with new 10-story structure.

Pa., Phila., City Hall—City plans to improve old city hall, 5th and Chestnut Sts. About $69,000. T. B. Smith, mayor.

Pa., Phila.—School—Oak Lane Country Day School, Oak Lane, Phila., having plans prepared by Magaziner & Eberhart, archts., 603 Chestnut St., 1-story, 500 x 1550 ft., brick. About $150,000.

Pa., Williamsport—School—City Council plans $200,000 bond issue to build 2 new schools.

N. C., Lexington — School — City plans election to vote on about $50,000 bonds to build school.

Ga., Atlanta — Academic — Lanier University plans; about $1,000,000. Also plans to build recreation park, athletic field of 8 acres and swimming pool. C. L. Fowler, pres.

O., Cleveland—Club and Lodge—Lithuanian Societies Home Co. had plans prepared, 3-story, 65 x 115-ft., brick and terra cotta, Superior Ave. and East 6th St. About $50,000. G. S. King, 1345 East 66th St., archt., soon lets contract.

O., Cleveland — Hotel — D. M. Mayer, Peoria, Ill., had plans prepared by W. E. Mooney, archt., 1008 Scovill Ave., S. E., 7-story, 50 x 132 ft., brick and concrete, 1862 to 1866 East 9th St.

O., Cleveland — Office — Oak Investment Co. had plans prepared by A. Graeble, archt., Park Bldg., 11th St. and Walnut Ave. About $300,000.

O., Deshler—School—City voted $80,000 bonds to build school.

O., East Cleveland—(Cleveland P. O.)—Technical High School—Bd. Educ. receives bids about Dec. 5, 3-story. About $200,000. C. Ammerman, clk. W. H. Nicklas, 608-1900 Euclid Ave., archt. Noted July 12.

Ind., Connersville — Bank — Farmers & Merchants Trust Co. having plans prepared by Hoggson Bros., engrs., 485 5th Ave., New York City, 48 x 82½ ft. About $100,000. E. W. Ansted, pres.

Mich., Ann Arbor — Dormitory — State University plans 3-story, 47 x 139-ft. About $100,000. H. B. Hutchins, pres. A. Kahn and E. Wilby, archts., Marquette Bldg., Detroit, soon receive bids.

Mich., Grand Rapids—College—Dominican Sisters plan to build college to consist of 3 buildings, on Fulton Rd. About $100,000.

Mich., Muskegon — Hospital — Sisters of Mercy, Mt. Mercy Home, West Bridge St., Grand Rapids, having plans prepared by Brielmaier & Son, archts., 41 University Bldg., Milwaukee, Wis., 4-story. About $150,000.

Ill., Chicago—Hospital, Etc.—Augustana Hospital Assn. plans 7-story, 50 x 188-ft. ward building, 7-story administration building, 6-story, 40 x 130-ft. nurses' home and 1-story boiler house. About $1,500,000. M. Sturm, 116 South Michigan Ave., archt.

Wis., Milwaukee—Hotel—J. E. Theil & Co., 706 Caswell Blk., having plans prepared for hotel and garage. About $200,000.

Wis., Wausau — School — Bd. Educ. had plans prepared by Swarthout & Speer, archts., Wasau, brick. About $200,000.

Minn., Bloomington—(Minneapolis P. O.)—School—Bd. Educ. having plans prepred by G. L. Lockhart, archt., 391 Endicott Bldg., St. Paul, 1 and 2-story, 59 x 137 ft., and 2 wings, 1-story, 42 x 70-ft. brick, tile and rein.-con. About $70,000. W. McCutchan, R. No. 4, Minneapolis, clk.

Minn., Lakefield—High School and Manual Training Schools—Bd. Educ. rejected bids building 2-story, 60 x 97-ft.; also 2-story, 61 x 96-ft. rein.-con. brick and tile. K. T. Snyder, 933 Plymouth Bldg., Minneapolis, archt. New bids in February. Noted Oct. 18.

Minn., Rochester — Store and Hotel — Knowlton Realty Co. rejected bids 6-story, 110 x 140 ft., cut stone. About $275,000. Noted Oct. 18.

Minn., St. Paul—Exhibition Hall and Barns—State Agricultural Society plans. About $150,000. T. H. Canfield, Como and Snelling Ave., genl. mgr.

Minn., St. Paul—Hospital—Bethesda Hospital plans, on Capitol Blvd., Park and Como Aves., and Viola St. About $500,000. J. A. Krantz, supt.

Minn., St. Paul—Workhouse—City plans election to vote on $475,000 bond issue to build workhouse and garbage-disposal plant. A Goss, comr.

Minn., St. Paul—St. Luke's Congregation plans, Lexington and Summit Aves. About $350,000. J. T. Comes, Resleau Bldg., Pittsburgh, Pa., archt.

Kan., Eureka—Home—Independent Order Odd Fellows plans to build here. About $100,000.

Kan., Manhattan—School—State plans addition to State Agricultural School. About $50,000. C. H. Chandler, State House, Topeka, archt.

Kan., Peabody—High School—Bd. Educ. having plans prepared by G. W. Van Meter, archt., 604 Caldwell-Murdock Bldg., Wichita, for 2-story, 65 x 100-ft. addition. About $50,000.

Kan., Pittsburg—Normal—State Bd. Administration, Topeka, had plans prepared by C. H. Chandler, state archt., Topeka, 3 story, 80 x 250 ft., with wing 90 x 100 ft., brick, concrete, terra cotta and stone. About $200,000.

Kan., Topeka—Hoo[illegible]-Stock Co., c/o J. F. Renker, 301 Leland St., has plans prepared by Smith, Rea & Lovitt, archts., Finance Bldg., Kansas City, Mo., 10-story.

Neb., Aurora—Schools—Bd. Educ. plans. About $55,000.

Neb., Columbus — Court House — Platte Co. Comrs. let contract about Jan. 1, 4-story. About $100,000. C. Werdeman, Columbus, Neb., archt. Noted Nov. 1.

Neb., Lincoln — Hospital — Bd. Comrs. State Institutions having plans prepared 2-story, 100 x 360-ft. Hospital for Insane. About $190,000. J. H. Craddock, Farnum Bldg., Omaha, archt.

Neb., Omaha—Schools—Bd. Educ. plans to issue $2,250,000 bonds to build schools.

S. D., Minot—Bank and Office—Brush-McWilliams Co. had plans prepared by Tulgren & Son, archts., 1st Natl. Bank Bldg., Milwaukee, Wis., 6-story, 25 x 140-ft. About $100,000. C. H. Mott, 46 Main St., pres.

N. D., Bismarck—Chemistry—University of North Dakota having plans prepared by F. W. Keith, Bismarck, archt. About $90,000.

N. D., Minot—Hotel—Million Dollar Hotel Co., Inc., soon lets contract, 8-story, 75 x 146 ft. About $450,000. G. J. Hoffman & Co., Rochester, Minn., archts.

N. D., Wahpeton — Hospital — Lutheran Deaconess Hospital having plans prepared by W. F. Kurke, archt., Huntington Bl., Fargo, 3-story, brick. About $50,000.

Mont., Billings—Bank—Merchants Natl. Bank & Merchants Loan Co. to build here, 7-story, fireproof. About $400,000.

Mo., Kansas City—Church—First Christian congregation having plans prepared by Shepard, Farrar & Wiser, archts., 1292 R. A. Long Bldg., 32 x 76 ft. About $100,000. Address F. N. Daniels, 9th St. and Denver Ave.

Mo., Kansas City—Church—Holy Name congregation soon lets contract, 2-story, 101 x 166 ft. About $200,000. J. Fowler, 2201 Benton Bldg., rector. Wight & Wight, 401 1st Natl. Bank Bldg., archts.

Mo., Kansas City—Library and School—Bd. Ed. having plans prepared by C. A. Smith, archt., 602 Finance Bldg. About $150,000.

Mo., Kansas City—Masonic Temple—Ivanho Masonic Lodge plans, 3-story, 90 x 125-ft., stone and rein.-con. About $175,000. Smith, Rea & Lovett, archts., 602 Finance Bldg., receiving bids about Jan. 1. J. O. Christensen, 3131 Campbell St., chn. bldg. com.

Mo., St. Louis—Store—Bear & Fuller, 6th and Washington Sts., having plans prepared by Mauran, Russel & Crowell, archts., Chemical Bldg., for addition. About $300,000.

Mo., St. Louis—Theater and Apartment—F. L. Cornwell, La Salle Bldg., having plans prepared by H. J. Harker, archt., 810 Chestnut St., 9-story, 175 x 326 ft. About $800,000.

Tex., Arlington—Administration—Grubbs Vocational College soon lets contract, 70 x 125 ft., brick and concrete. About $100,000.

Tex., Arlington—Home—Berachah Home plans. About $50,000. J. T. Upchurch, supt.

Tex., Dallas — Station — City plans to build fire station, Augusta St. and Columbia Ave. About $50,000. A. Magee, fire ch.

Tex., Dallas—Store—Overland Automobile Co., 2426 Commerce St., soon lets contract, 2 story, South Ervay and Cadiz Sts. About $150,000. Lang & Witchel, 1613-15 Southwestern Life Bldg., archts.

Tex., Dallas—Synagogue—Shareth Israel Congregation plans. About $75,000. L. Klineman, pres.

Tex., Ft. Worth—Schools—City election soon to vote on $400,000 bond issue to build schools; plans of Bd. Educ. include building high school, $125,000, wing to present high school and school auditorium, $240,000.

Okla., Okmulgee — Hospital — City had plans prepared by Smith, Rea & Lovitt, archts., Terminal Bldg., Kansas City, Mo., 3 story, 40 x 80 ft., steel, concrete, and brick. About $50,000.

Okla., Pauls Valley—Court House and Jail—Garvin Co. at recent election voted $150,000 bond issue to build courthouse and jail. Noted Oct. 18.

Idaho, Caldwell—Office—C. H. Sebree, Caldwell, having plans prepared by R. E. Field, archt., Binz St., Houston, Tex., 5 story, steel, Arthur and Kimball Sts. About $80,000.

Ariz., Jerome — Hotel and Apartment House—United Verde Extension Mining Co. had plans prepared by Lescher & Kibbey, archts., Bank of Arizona Bldg., Phoenix, 3-story, 55 x 200-ft. concrete hotel, and 3-story, 70 x 60-ft. concrete apartment house. About $125,000.

Ariz., Tucson—Schools—City election Dec. 8 to vote on $50,000 bond issue to build schools.

Ore., Baker—Swimming Pool—City plans election Dec. 3. to vote on $54,000 bond issue for swimming pool.

Buildings (Continued)

Cal., Bay Point—School—Bd. Educ. having plans prepared by J. T. Narbett, archt., 9th and McDonald St., Richmond, for additions and alterations. About $50,000.

Cal., Fresno — Cathedral — Scottish Rite Lodge soon lets contract, 3-story, rein.-con. and brick. About $200,000. C. Werner, Phelan Bldg., San Francisco, archt.

Cal., Sacramento—Home—Chamber of Commerce soon lets contract, 2 story, on 7th St. Cost between $60,000 and $75,000. C. Virden, pres. Noted Oct. 11.

Cal., Sacramento—Store—Weinstock Lubin Co., 4th and K Sts., plans, 10 story, 160 x 210 ft., 9th and L Sts. About $1,000,000.

Cal., San Francisco—Store—J. D. and A. B. Spreckles having plans prepared by G. A. Applebarth, archt., Claus Bldg., 5-story, at Harrison and Spear Sts. About $200,000.

Cal., San Francisco — Theater — Colonial Theater Co. having plans prepared by C. Werner, archt., Phelan Bldg., Clement St. and 9th Ave. About $125,000.

Cal., San Pedro—Y. M. C. A. plans 3-story, 100 x 160 ft. building. About $200,000. D. E. Luther, Los Angeles, secy.

Que., Verdune — School — School Comrs. plan, 3-story, brick and stone. Cost $175,000. J. E. A. Benoit, archt., 1290 Wellington St., receives bids about December.

Ont., Toronto—Store—F. Stollery plans, Yonge and Bloor Sts. About $100,000.

Man., Winnipeg — Schools — Bd. Educ. plans to build 4 schools. About $500,000. W. H. Champion, 206 Butland St., secy.

Sask., Saskatoon — High School — High School Bd. plans addition. About $150,000 J. F. Cairns, chn.

BIDS DESIRED

N. H., Nashua—High School—Until Dec. 1, by Bd. Educ., 3-story, 152 x 183-ft. brick and stone school and auditorium. About $200,000. T. M. James, 185 Devonshire St., Boston, archt. Noted Sept. 6.

N. Y., New Platz—(Official)—School—Until Dec. 17, by Dr. T. E. Finegan, deputy comr. educ., Albany, for addition to State Normal School; advertised in this issue.

N. Y., New York — (Official) — Synagogue—Until Jan. 15, by Bnai Israel congregation. J. Adler, 19 West 26th St., pres. E. Roth, 119 West 40th St., archt.

Fla., Miami — School — Until Dec. 4, by Dade Co., Bd. Pub. Instruction, building North Side School, concrete and hollow tile; also for addition to Highland Park and Buena Vista Schools. About $50,000. R. E. Hall, supt. A. E. Lewis, Real Estate Bldg., archt.

O., Kenmore—(Official)—High School—Bd. Educ. to sell $140,000 bonds Dec. 10, to build high school. I. W. Fiscus, clk.

Kan., Pittsburg—Normal—Until Dec. 17, by State Bd. Administration, Topeka, 3-story, 86 x 247 and 96 x 100 ft., brick, stone and rein.-con. About $200,000. C. H. Chandler, Topeka, state archt. Noted Nov. 22.

N. M., Gallup — (Official) — High and Grade School—Until Dec. 15, by Bd. Educ., to be built on tract of land north of Sante Fe R.R. tracks. C. L. Wilson & Co., Amer. Natl. Bank Bldg., Monrovia, Cal., archt.

Cal., Patton—(Official)—Cottage — Until Dec. 4, by W. F. McClure, state engr., Forum Bldg., Sacramento, building Cottage No. 17 at Southern California State Hospital.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★N. Y., Brooklyn—Bank—Peoples Natl. Bank, 1336 Bway, let contract 1-story, 48 x 106 ft., brick and marble, Quincy St. and Ralph Ave., to J. Auer & Sons, 648 Lexington Ave. About $100,000. Noted Nov. 22.

★N. Y., Buffalo—Church—St. Nicholas Ruthenian congregation let contract, 1-story, 80 x 92 ft., Fillmore and Oneida Aves., to Niedepruem Bldg. Co., 1170 Jefferson St. About $80,000. Noted Aug. 23.

N. Y., Central Islip — (Official) — Acute Patients' Building—State Hospital Comn., Albany, received low bids Nov. 14, building addition to Central Islip State Hospital, from B. J. Raynor, Islip, $89,660; Stewart Willey Co., Inc., 1123 Bway., New York City, $92,000; M. Kantrowitz, 20½ Market St., Albany, $94,000. Noted July 19.

★N. J., Red Bank—School—Bd. Educ. let contract building on Park Pl. to I. R. Taylor & Co., R. R. Ave., Asbury Park. About $73,330. Noted Nov. 8.

★Pa., Chester—High School—Bd. Educ. let contract 4-story, 120 x 245-ft. stone and rein.-con., to J. R. Wiggin, 1215 Filbert St., Phila. About $200,000. Noted Oct. 25.

★Pa., Pittsburgh—Store—E. F. Baird, Ferry St., let contract 3-story, brick, to Toupet, Beil & Conley, office 5931 Penn Ave., Pittsburgh, Pa. About $50,000.

★Md., Baltimore—Y. M. C. A. let contract 4-story, 60 x 100-ft., brick and rein.-conc. building on Druid Hill Ave. and Delphin St. to G. R. Morris, Title Bldg. About $100,000.

★Fla., Tallahassee—Dormitory and Educational—Florida State College for Women let contract to O. C. Parker & Co., Tallahassee, $82,701. Noted Nov. 1.

Ala., Bessemer—Court House and Jail—Jefferson Co. let contract to Evans Bros., 2312 Ave. F., about $95,000. Noted July 19.

★O., Cleveland—See "Industrial Works."

★O., Cleveland Heights (Warrensville P. O.)—School—Bd. Educ. let contract, 2-story, 82 x 164-ft., to R. H. Evans & Co., Columbus Savings & Trust Bldg., Columbus. About $200,000.

★Ia., Ventura—School—Bd. Educ. let contract, 3-story, brick and rein.-con., in Consolidated Dist., to C. Rye, Mason City. About $50,000. Noted Aug. 2.

★Cal., Livermore — Hospital — Alameda Co. let contract building tuberculosis hospital to W. G. Thornally, 3027 16th St., Oakland, $52,985. Noted Sept. 6 under Oakland.

★Ont., London — Hospital — Hospital Comn., Ottawa, let contract, brick and rein.-conc., to J. Hayman & Sons, 432 Wellington St. About $200,000. Noted June 28.

FEDERAL GOVERNMENT WORK

Proposed Work

N. Y., New York—Electric Traveling Cranes—Bureau Yards and Docks, Navy Dept., Wash., plans to install electric traveling cranes for use in extension to machine shop in Navy Yard; specification No. 2720. About $76,000.

N. Y., New York—Repairs to Structural Steel Work of Terminal Building—Bureau Yards and Docks, Navy Dept., Wash., plans; Specification No. 2724.

Pa., Ft. Mifflin—Office—Bureau Yards and Docks, Navy Dept., Wash., plans; Specification No. 2725. About $14,000.

Md., Indian Head—Extension to Power House—Bureau Yards and Docks, Navy Dept., Wash., plans to build extension to power house; Specification No. 2722. About $29,000.

Wash., D. C. — Aviation Stations — War Dept., Signal Corps, soon lets contract for aviation stations in Alabama and Florida, exact location not given, also at Sam Houston, Tex.

Wash., D. C.—Crane Runways—Bureau Yards and Docks, Navy Dept., plans to install in Gun Park; Specification No. 2721. About $140,000.

Wash., D. C. — Motor Generator Sets — Bureau Yards and Docks, Navy Dept., preparing plans installing in Phila., Norfolk, Va., New York and Wash., D. C. navy yards.

Wis., Rhinelander — Post Office — J. A. Wetmore, superv. archt., treas. dept., Wash., receiving bids in December, 1-story, 55 x 70 ft., brick and concrete. About $90,000.

Mo., Harrisville—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened Nov. 13. Noted Nov. 22.

Ark., Lonoke — Aviation School — War Dept. soon lets contract for one unit, 2-squad school to be built here. About $750,000.

Cal., Bakersfield—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., rejected bids opened Oct. 24. Noted Nov. 1.

BIDS DESIRED

R. I., Newport—Garage—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., building at Naval Training Sta.; Specification No. 2688. Noted Nov. 8.

Conn., New London—Cranes—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., furnishing and installing on runway rails, one 5-ton, 3-motor bridge crane; one 2-ton hand-operated bridge crane in machine shop at Submarine Base; Specification No. 2701.

Conn., New London—Removal of Wall—Until Dec. 3, by Commander, Submarine Base, New London, removing 300 cu.yd. concrete wall; Specification No. 2712.

N. Y., New York—Dredging—Until Nov. 30, at U. S. Engr. Office, 39 Whitehall St., New York, dredging and rock removal in East River.

Pa., Phila.—Cranes—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., installing in galvanizing plant; Specification No. 2699. About $20,000.

Pa., Phila.—Dredging—Until Dec. 21, at U. S. Engr. Office, Phila., dredging in Delaware River on Baker and Liston lighthouse ranges.

Pa., Phila.—Piping, Etc.—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., furnishing and installing piping tunnel, piping, valves, fittings, hydrants and accessories necessary for complete steam, hot water, compressed air, Delaware River water, fresh water and fuel-oil distributing systems at Navy Yard; Specification No. 2694. Noted Nov. 8.

Wash., D. C.—Grading—Until Dec. 3, at office of Comrs. Dist. Columbia, grading 41,300 cu.yd. L. Brownlow, comr.; advertised in this issue.

Wash., D. C.—Surveying Instruments—Until Dec. 3, by Supt. U. S. Coast and Geodetic Survey, 205 New Jersey Ave., S. E., Wash., advertised in this issue.

Fla., Key West—Tank and Tower—Until Dec. 6, by Comr. Fisheries, Dept. Commerce, Wash., D. C., building concrete tank and tower at Biological Sta.

Fla., Santa Rosa—Wharf and Boathouse—Until Dec. 17, by E. P. Bertholf, capt. commandant, U. S. Coast Guard, Wash., D. C., building wharf and boathouse at Sta. No. 212, Santa Rosa; advertised in this issue.

Tex., Galveston—Riprap—Until Dec. 14, by U. S. Engr. Office, Galveston, furnishing and delivering riprap at Port Aransas or Rockport, Tex., advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Me., Caribou—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids from O. Nelson Co., Bangor, $48,252; E. T. Abbott Constr. Co., 133 Bway., New York City, $53,300; T. W. Cissell, Newark, O., $54,490. Noted Oct. 18.

★Mass., Boston—Timber Bulkhead—Bureau Yards and Docks, Navy Dept., Wash., let contract to W. L. Miller Co., 171 Alford St., $7290. Noted Nov. 22.

★Mass., Chelsea—Draining and Filling—Bureau Yards and Docks, Navy Dept., Wash., let contract, draining and filling at Naval Hospital Reservation, to Howard Bros., 412 Dorchester Ave., Boston, $5950.

★Mass., Chelsea—Heating, Plumbing and Lighting—Bureau Yards and Docks, Navy Dept., Wash., let contract installing in Emergency Hospital, items 1, 5 and 8, to Buerkel & Co., 24 Union Park St., Boston, $248,991. Noted Nov. 22.

★N. Y., New York—Aircraft Storage and Aircraft Repair for Export—Bureau Yards and Docks, Navy Dept., Wash., let contract to Austin Co., Bulletin Bldg., Phila., $269,850 work complete, $198,800, structural steel to be used. Noted Nov. 22.

★N. Y., New York—Pneumatic Tube System—Bureau Yards and Docks, Navy Dept., Wash., let contract (work complete) to Lamson Co., 100 Boylston St., Boston, $25,832. Noted Nov. 22.

★N. Y., New York—Reconstructing Hospitals—War Dept. (I. W. Littell, brig. genl.), let contract to W. Crawford, 7 East 42nd St., cost plus %.

★N. J., Little Silver — Buildings — War Dept., Signal Corps, let contract buildings in connection with additional supply depot, Camp Alfred Vail, to C. R. Hennden, Jersey City. Cost plus %. About $250,000. Noted Nov. 15.

Federal Government Work (Continued)

N. J., Woodbury—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids from Hagen Lumber Co., Hickory and Mattes St., Scranton, Pa., $53,698; E. T. Abbott Constr. Co., 1133 Bway., New York City, $54,210; T. W. Cissell, Newark, O., $55,470. Noted Oct. 25.

★**Pa., Ft. Mifflin** — Buildings—Bureau Yards and Docks, Navy Dept., Wash., let contract building addition to Building No. 62; also new steel building, to George & Borst, 277 South 11th St., Phila., $14,489.

★**Pa., Phila.**—Fitting out Piers—Bureau Yards and Docks, Navy Dept., Wash., let contract 3 fitting out piers to Snare & Triest, 233 Bway, New York City, $465,000. Noted Nov. 22.

Pa., Phila. — Marine Barracks — Bureau Yards and Docks, Navy Dept., Wash., received low bids (work complete), from McCloskey & Bahl, 1620 West Thompson St., $213,547; Price Constr. Co., 216 Maryland Trust Bldg., Baltimore, $227,000; W. R. Dougherty, 1608 Sansom St., Phila., $230,000. Noted Nov. 15.

★**Pa., Phila.**—Tank and Tower—Bureau Yards and Docks, Navy Dept., Wash., let contract (work complete), to Memphis Steel Constr. Co., Magee Bldg., Pittsburgh, $16,864. Noted Nov. 22.

★**Pa., Phila.**—Temporary Building—Bureau Yards and Docks, Navy Dept., Wash., let contract, temporary building for marine corps, to McCloskey & Bahls, 1620 Thompson St., Phila., $29,476.

Md., Indian Head—Artesian Wells—Bureau Yards and Docks, Navy Dept., Wash., received low bids for additional artesian water supply at Naval Proving Ground, (a) work complete, (b) work complete with modification, from E. Christman, 416 McClymonds Bldg., Massillon, O., (a) $93,472, 120 days, (b) $55,685, 120 days; J. L. Sweigard & Co., Lincoln Bldg., Phila., (b) $115,850, 180 days.

Md., Indian Head—Powder Dry Houses—Bureau Yards and Docks, Navy Dept., Wash., received low bids building 23 powder dry houses at Naval Proving Grounds, (a) net price for work complete, using either galvanized iron or asbestos protected metal, (b) net price for work complete, using either galvanized iron or asbestos metal on roof and timber siding on exterior walls, (c) net price for work complete, using asbestos shingles on roof and timber sidings on exterior walls, (d) net price for work complete, using asbestos shingles on roof and sides, (e) net price fofr each additional cubic foot of brick on concrete piers and walls over quantity shown on drawings, from J. H. Nolan Constr. Co., Munsey Bldg., Wash., D. C., (a) $253,677; Austin Co., 1020 Bulletin Bldg., Phila., (a) $322,146, (b) $317,926, (c) $299,389, (d) $305,502, (e) $0.50; Dawson Constr. Co., May Bldg., Pittsburgh, (a) $341,780, (b) $332,456, (c) $327,428, (d) $332,120, (e) $0.40; Snare & Triest, 233 Bway., New York City, (a) $376,400, (b) $372,800, (c) $372,200, (d) $376,000, (e) $0.60. Noted Nov. 22.

★**Wash., D. C.**—Addition to Forge Shop—Bureau Yards and Docks, Navy Dept., let contract building at Navy Yard, to Boyle Robertson Constr. Co., Evans Bldg., $117,874. Noted Nov. 22.

Wash., D. C.—Alterations to Office Building—J. A. Wetmore, superv. archt., treas. dept., received low bids for alterations to building at 500-508 14th St., N.W., from W. E. Mooney, Evans Bldg., $51,713; F. L. Wagner, 1413 H St., N.W., $55,400.

Wash., D. C. — Bridge — Comrs. Dist. Columbia, District Bldg., received low bids building 7 span steel girder highway bridge abutments, piers and approaches, over tracks Philadelphia, Baltimore & Washington R.R., Benning Rd., item 1, approaches, item 2, work complete, design A and B, from Penn Bridge Co., Bond Bldg., item 1, $83,600, 2a, $101,730, 2b, $81,000; F. J. Boas, 201 North Broad St., Phila., item 1, $102,000, 2a, $105,000, 2b, $99,000; C. H. Tompkins, 1883 3rd St., N.W., 2a, $99,000, 2b, $91,000. Noted Nov. 1.

Wash., D. C.—Fitting Out Cranes—Bureau Yards and Docks, Navy Dept., Wash., received low bids furnishing 3 electrically operated fitting-out cranes of 350 gross ton capacity at Navy Yards, Norfolk, Va., New York and Phila., (a) 3 cranes, complete, (b) with modification, (c) 1 crane Phila., (d) same with modification, (e) 1 crane Norfolk, (f) same with modification, (g) 1 crane New York, (h) same with modification, from McMyler Interstate Co., Bedford, O., (b) $2,449,975, (d) $840,325 for 1 crane only, and $820,326 each for 3 cranes, (f) $843,925 for 1 crane only and $823,925 each for 3 cranes, (h) $841,125 for 1 crane only and $821,125 each for 3 cranes; alternate A same as above, alternate B, (b) $2,409,975, (d) $827,771 for 1 crane only, $807,701 each for 3 cranes, (f) $831,371 for 1 crane, $811,371 each for 3 cranes, (h) $828,571 for 1 and $808,570 each for 3 cranes, alternate C, same as B; time as specified: Wellman-Seaver-Morgan Co., 7000 Central Ave., Cleveland, (a) $2,414,000, delivery 1 in 540 days, 1 in 720 days and 1 in 900 days; (c),(e), (g), $836,900 each, time 540 days; Webb & Ryan, Grand Central Terminal, New York City, cost plus percentage. Noted Oct. 18.

★**Wash., D. C.**—Pier and Bulkhead—Bureau Yards and Docks, Navy Dept., Wash., let contract building at Hampton Roads, Va., Proposition "A" to J. Stewart & Co., 30 Church St., New York City; Proposition "B" to H. P. Converse, 88 Broad St., Boston, cost plus percentage. Noted Nov. 22.

★**Va., Norfolk**—Wood Block Floors—Bureau Yards and Docks, Navy Dept., Wash., let contract (no dredging), to H. P. Converse & Co., 88 Broad St., Boston, Mass., $500,000.

★**Va., Norfolk**—Wood Block Floors—Bureau Yards and Docks, Navy Dept., Wash., let contract building wood block floors in various shops, to Wyckoff Pipe & Creosoting Co., 30 East 42nd St., New York City, $26,438.

★**Ga., Forsyth**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., let contract to H. B. Wilder, Columbus Rd., Macon, $36,697. Noted Nov. 22.

Wyo., Basin—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids (a) wood girders, (b) steel girders, from W. D. Lovell, 1415 South East 8th St., Minneapolis, (a) $35,700, (b) $36,500; J. H. Wiese, 1301 Citizens National Bank, Omaha, Neb., (a) $38,780, (b) $39,405; C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., (a) $40,500, (b) $41,000. Noted Oct. 25.

★**Tex., Austin**—Remodeling Court House, Etc.—Bureau Yards and Docks, Navy Dept., Wash., let contract to Walsh & Burney, 528 Littlefield Bldg., $22,806.

MISCELLANEOUS

Proposed Work

Shaft—New York, N. Y.—(Official)—Pub. Ser. Comn., 120 Bway., rescinded contract let to I. J. Stander & Co., Inc., 118 East 28th St. Noted Oct. 4.

Pier—Ocean City, N. J.—(Official)—See "Buildings."

Park Improvements — Trenton, N. J. — City plans to improve Assanpink Park. About $20,000. J. W. Thompson, Broad St. Bank Bldg., archt.

Parks—Lansford, Pa.—See "Sewers."

Wharf—Fayetteville, N. C.—City plans to build wharf, also road leading to same.

Park, etc.—Atlanta, Ga. — See "Buildings."

Wharf — Florence, Ala. — City plans to build wharf.

Terminals — Sheffield, Ala. — City plans election to vote bonds to build rail-to-water terminal facilities.

Subway—Cleveland, O.—H. L. Davis, mayor, appointed C. J. Neal, Fielder Sanders, M. A. Bradley, C. E. Adams and C. A. Otis as commission to make preliminary surveys, adopting plans, which must be given popular approval, after which contracts will be awarded, for subway system. This commission will supervise construction of subway and after terminals are built will have charge of same. Proposed subway will run from high level bridge at West 6th St. and Superior Ave. to Pub. Sq., Euclid and St. Clair Aves. and 9th and Ontario St. Noted Apr. 12.

Park—Lakewood, O. — Council plans to sell $300,000 bonds for public park, Lake Ave. at foot Belle Ave.

River Improvements — Lima, O. — City voted $100,000 bonds for river improvements. C. Bryson, city engr.

Dock—Detour, Mich.—U. S. Steel Corp., 71 Bway., New York City, having plans prepared by Cleveland office for large coaling dock here.

Breakwater — Milwaukee, Wis.—Harbor Comrs. plan to build 600-ft. stone breakwater opposite north end Jones Island. Bond issue of $500,000 planned for project.

Garbage Disposal Plant—St. Paul, Minn.—See "Buildings."

Dam—Stevensville, Mont.—City plans to build 600-ft. dam across Bitter Root River, 10 mi. south of city.

Channel—Beaumont, Tex. — City voted $300,000 bonds to deepen Beaumont ship channel. J. F. Weed, engr. navigation dist. Noted July 12.

Transmission Line—Dallas, Tex.—Texas Power & Light Co. plans to build 7-mi. transmission line to connect at Norwood and Trinity Heights with lines of Dallas Power & Light Co. About $250,000. F. R. Slater, 1332 Commerce St., vice-pres.

Park Improvements—Oklahoma, Okla.—City voted $300,000 for park improvements.

Flood Control—Sacramento, Cal.—State Rec. Bd. ordered construction of entire bypass system in Butte and Sutter Basins as called for by Sacramento River flood-control project, estimated to cost, $14,993,190, including right-of-way, incidental expenses, etc. Flood-control engineer estimated cost of Sutter By-Pass, 31.2 mi., 4000 to 6000 ft. wide, at $7,099,638; Tisdale By-Pass, 4.25 mi., 1000 ft. wide, $799,225; Butte Slough By-Pass, 5.75 mi., 4000 ft. wide, $649,705; Butte By-Pass, 12 mi., 3300 to 4500 ft. wide, $5,264,437. Plans contemplate diversion of 185,000 second-feet of flood water from Sacramento River at Moulton weir, 14 mi. above Colusa and carrying it through Butte and Sutter Basins and discharging it over Fremont weir into Yolo By-Pass.

Transmission Line—Greenwood, B. C.—West Kootenay Power & Light Co. plans to build transmission line from Greenwood to Princeton and Copper Mountain, about 100 mi. L. A. Campbell, Rossland, B. C., genl. mgr.

BIDS DESIRED

Plumbing and Electrical Work — Phila., Pa. — (Official) — Until Dec. 4, by W. S. Twining, dir. dept. city transit, 754 Bourse Bldg., installing plumbing and electrical work in station buildings at Orthodox-Margaret Sts. and Ruan-Church Sts., Contrs. Nos. 539 and 540; Frankford Elevated Ry.; advertised in this issue.

Improving Harbor—Newport, Ore.—Until Jan. 2, by L. Wade, secy. joint ports, furnishing stone and building south jetty at entrance to Yaquina Bay; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

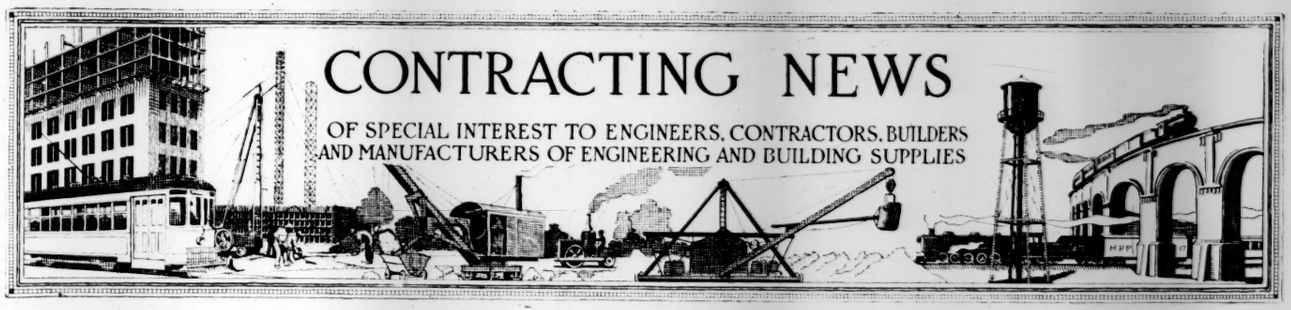
★**Bulkhead—Boston, Mass.**—Park & Recreation Dept., 33 Beacon St., let contract grading and building bulkhead on Tenean Beach, Ward 20, to A. Baruffaldi, 5 Parker Pl., Somerville, $78,594. Noted Nov. 8.

★**Foundation—Middletown, Mass.**—Essex Co., Salem, let contract building rein.-con. foundation for Tuberculosis Hospital to F. W. Hammond, 18 Columbus Ave., Beverly, Mass., $25,318.

★**Foundation—Cleveland, O.**—Bd. Control let contract building rein.-con. foundations for Public Hall, East 6th and Lakeside Sts., to Hunkin-Conkey Constr. Co., 320 Cuyahoga Bldg., $65,288.

★**Incinerator—Okmulgee, Okla.**—City let contract building garbage-disposal plant to W. McCanse, Durant, $17,150. Noted Nov. 1.

Cement—Winnipeg, Man.—City received only bid furnishing cement for 1918 for Greater Winnipeg aqueduct work, from Canada Cement Co., $3.06 per bbl. gross and $2.61 per bbl. net.



CONTRACTING NEWS

OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Price advances are indicated by heavy type; decline, by *italics*.

PIG IRON

Below are the present quotations with a comparison of a month and a year ago

	Dec. 1, 1917	One Month Ago	One Year Ago
CINCINNATI			
No. 2 Southern foundry	**$35.90**	$33.00	$24.46
No. 2 Northern basic	34.26	....	28.26
NEW YORK			
No. 2X Northern foundry	34.25	34.25	29.00
No. 2 plain Northern foundry	33.75	33.75	28.50
No. 2 Southern foundry†	**38.75 to 39.25‡**	37.25	28.00
BIRMINGHAM			
No. 2 Southern foundry	33.00	33.00	22.00
CHICAGO			
No. 2 Northern foundry	33.00	33.00	27.00
No. 2 Southern foundry	37.00	37.00	....
PITTSBURGH			
Bessemer iron*	**37.25**	36.30	34.45
Basic iron*	33.00	33.00	30.00

*These prices include the freight charge from the valley to the Pittsburgh district. †Delivered Tidewater, New York. ‡Rail and water.

RAILWAY SUPPLIES

STEEL RAILS—The following quotations are per 100 lb. f.o.b. Pittsburgh and Chicago for carload or larger lots. For less than carload lots 5c. per 100 lb. is charged extra:

	Pittsburgh		Chicago	
	Dec. 1, 1917	One Year Ago	Dec. 1, 1917	One Year Ago
Standard bessemer rails	$38.00	$38.00	$38.00	$38.00
Standard openhearth rails	40.00	40.00	40.00	40.00
Light rails, 8 to 10 lb.	*43.50*	50.00	*43.50*	47.00
Light rails, 12 to 14 lb.	*39.00*	49.00	*39.00*	46.00
Light rails, 25 to 45 lb.	*30.00*	47.00	*30.00*	44.00

Note—Reported that rerolled rails are higher than new rails rolled from billets.

TRACK SUPPLIES—The following prices are base per 100 lb. f.o.b. Pittsburgh for carload lots, together with the warehouse prices at the places named:

	Pittsburgh				San Francisco
	Dec. 1, 1917	One Year Ago	Chicago	St. Louis	
Standard railroad spikes, ⅝-in. and larger	**$5.00 to 5.50**	$2.65	$5.00	$6.45 base	$7.25
Track bolts, square nuts	**7.00 to 8.50**	3.25	6.25	Premium	8.80
Standard section angle bars	*3.50 to 4.00*	2.00	4.50	Premium	4.65

RAILWAY TIES—For fair-sized orders, the following prices per tie hold:

	Material	7 In. x 9 in. by 8 Ft. 6 In.	6 In. x 8 in. by 8 Ft.
New York	Yellow Pine	$1.30	**$1.06 to 1.11**
St. Louis	White Oak	1.00	.75
Chicago	Plain	.97	.82
Chicago	Creosoted	1.30	1.15
San Francisco	Green	**1.13**	**.80**
San Francisco	Creosoted	**2.02**	*1.43*

PIPE

PIPE—The following discounts are for carload lots f.o.b. Pittsburgh, basing car of Nov. 5, by Government, for steel, iron still being of May 1:

BUTT WELD

Steel Inches	Black	Galvanized	Iron Inches	Black	Galvanized
¾ to 3	*51%*	*37½%*	¾ to 1½	33%	17%

LAP WELD

2	44%	*31½%*	1¼	18%	3%
2½ to 6	47%	*34½%*	1½	25%	11%
7 to 12	44%	*30½%*	2	26%	12%
13 and 14	*34½%*	....	2½ to 6	28%	15%
15	*32%*	....	7 to 12	25%	12%

BUTT WELD, EXTRA STRONG PLAIN ENDS

¾ to 1½	49%	*36½%*	¾ to 1½	33%	18%
2 to 3	50%	*37½%*			

LAP WELD, EXTRA STRONG PLAIN ENDS

2	42%	*30½%*	1¼	19%	4%
2½ to 4	45%	*33½%*	1½	25%	11%
4½ to 6	44%	*32½%*	2	27%	14%
7 to 8	40%	*26½%*	2½ to 4	29%	17%
9 to 12	35%	*21½%*	4½ to 6	28%	16%
			7 to 8	20%	8%
			9 to 12	15%	3%

From warehouses at the places named the following discounts hold for steel pipe:

	Black		
	New York	Chicago	St. Louis
¾ to 3 in. butt welded	38%	*42.8%*	*50.1%*
3½ to 6 in. lap welded	18%	*38.8%*	*36.1%*

	Galvanized		
	New York	Chicago	St. Louis
¾ to 3 in. butt welded	22%	*27.8%*	*35.1%*
3½ to 6 in. lap welded	List	*18.8%*	*22.1%*

Malleable fittings, Class B and C, from New York stock sell at 5 and 5% from list prices. Cast iron, standard sizes, 34 and 5%.

CAST-IRON PIPE—The following are prices per net ton for carload lots:

	New York						
	Dec. 1, 1917	1 Month Ago	One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4 in.	$59.50	$59.50	$34.50	**$58.35**	**$57.00**	**$66.10**	**$62.00**
6 in. and over	56.50	56.50	31.50	**55.35**	**54.00**	**63.10**	**59.00**

Gas pipe and 16-ft. lengths are $1 per ton extra.
Note—Advances due to Government price-fixing.

CLAY DRAIN TILE—The following prices are per 1000 lin.ft.:

	New York					
Size, In.	Dec. 1, 1917	One Year Ago	St. Louis	Chicago	San Francisco	Dallas
3	$35.00	$23.00	$18.40	$15.00	$26.25	**$24.00**
4	51.00	32.45	20.70	18.00	34.75	**36.00**
5	65.00	45.00	28.75	23.00	48.75	**48.00**
6	90.00	56.55	40.25	27.00	67.50	**64.00**
8	130.00	98.50	74.75	55.00	....	**120.00**

SEWER PIPE—The following prices are in cents per foot for carload lots:

	New York				San	
Size, In.	Dec. 1, 1917	One Year Ago	St. Louis	Chicago	Francisco	Dallas
3	$0.093	$0.0725	.....	$0.09	$0.075	$0.1032
4	.093	.0725	.....	.10	.10	.1032
5	.1395	.12	.....	.135	.12	.1548
6	.1395	.12	$0.12	.15	.15	.1548
8	.217	.165	.165	.21	.225	.215
10	.3255	.24	.23	.315	.30	.301
12	.4185	.30	.33	.405	.40	.387
15	.558	.405	.50	.54	....	.559
18	.775	.57	.75	.75	.75	.731
20	.93	.675	.90	.90	.962	.86
24	1.24	.90	1.13	1.20	....	1.118
24	1.395	.975	1.28	1.35	1.375	1.29
27	2.08	1.665	1.30	....	....	1.935
30	2.304	2.075	1.70	....	....	2.365
33	3.06	2.625	2.25	....	....	3.05
36	3.485	2.94	2.50	....	....	3.44

	Boston	St. Paul	Denver	Los Angeles	Seattle
3	$0.099	**$0.09**	$0.09	**$0.0675**	**$0.0825**
5	.1485	**.135**	.18*	**.1125**	.....
8	.231	**.1875**	.25	**.2025**	**.2475**
12	.4455	**.3375**	.40	**.36**	**.48**
24	1.485	**1.41**	1.35	**1.25**	**1.75**
36	3.69	**3.00**	3.00*	.....	.....

*Denver: 6-in. and 30-in.

ROAD AND PAVING MATERIALS

ROAD OILS—Following are prices in tank cars 8000 gal. minimum f.o.b. places named:

St. Louis, 45-50% asphalt	$0.06½
Chicago, 15-20% asphalt	.06½
Chicago, 100% dust layer	.08½
Dallas, 40-50% asphalt	.07
Dallas, 60-70% asphalt	.08
Dallas, 75-90% asphalt	.09
San Francisco, 75-95% asphalt	1.90*

*Per barrel of 42 bulk gallons.

ASPHALTUM—Price per ton in packages and bulk in carload lots:

	Brand	Package	Bulk
New York	Texaco	$30.00	
New York	Mexican	28.00	$20.00
Chicago	Mexican	25.00	21.00
St. Louis	Stanolind	21.00	17.00
San Francisco	California	16.50	13.50
Dallas	Texaco and Mexican	25.00	23.00
Seattle		**19.00**	....
Denver	Trinidad	31.00	....
Denver	California	23.00	....
St. Paul	Trinidad	**26.50**	....

PAVING STONE—

New York	Manhattan	$2.50	sq.yd.
	Other boroughs	2.25	sq.yd.
New York	5-in. granite	2.55	sq.yd.
Chicago	About 4x8x4 dressed	2.25	sq.yd.
	About 4x8x4 common	1.80	sq.yd.
San Francisco	Basalt block 4x7x8	57.75	per M
St. Paul	Sandstone	1.65	sq.ft.
Boston	5-in. granite	2.55	sq.yd.

FLAGGING—

		Dec. 1, 1917	
New York	Bronx	$0.17	sq.ft.
	Manhattan	.18	sq.ft.
	Queens, 5 ft. square	.19	sq.ft.
	5x20-in. cross-walk	.30	sq.ft.
Chicago	18 in. wide	.75	lin.ft.

WOOD BLOCK PAVING—

	Size of Block	Treatment	Per Sq.Yd
New York	3½	16	$2.00
New York	4	16	2.25
Chicago	4	16	1.85
Chicago	3½	16	1.70
Chicago	City specifications		2.10
St. Louis	3½	16	**1.81**
St. Louis	4	16	**2.04**
Seattle	4	16	*1.53*
St. Paul	Minneapolis specifications		2.00
New Orleans	3½	16	2.30
New Orleans	4	16	2.60
San Francisco	3	16	2.15
San Francisco	3½	16	2.26
San Francisco	4	16	2.57

CURBING—Prices per linear foot are as follows:

New York	5 x 16	$0.45
	5 x 20	.50
Chicago	6 x 18	.60
St. Louis	5x16 square edge	.72
San Francisco	6 x 16	.65
	6 x 20	.80

CONSTRUCTION MATERIALS

SAND AND GRAVEL—Price for cargo or carload lots is as follows, per cu.yd.:

	Gravel 1½ In. Dec. 1 1917	Gravel 1½ In. One Yr. Ago	Gravel ¾ In. Dec. 1. 1917	Gravel ¾ In. One Yr. Ago	Sand Dec. 1. 1917	Sand One Yr. Ago
New York	$1.40	$1.00	$1.50	$1.10	$0.50	$0.50
Los Angeles	.75*	....	.75*	....	.55*	....
Chicago	1.40	1.00	1.40	1.00	1.40	1.00
St. Louis	1.11	.70	1.11	.70	1.11	.60
New Orleans	1.95	....	1.95	....	1.95	....
Dallas	1.50	1.00	1.50	1.00	1.35	.75
Denver	**1.45**	....	**1.45**	....	**1.00**	....
San Francisco	**1.06**	1.00	1.00	1.00	**1.06**	1.00
Seattle	.80	....	.80	....	.80	....
Boston	1.50	....	1.60	....	**.90**	....
St. Paul	1.10	....	1.40	....	.50	....

*Price per ton.

CRUSHED STONE—Price for cargo or carload lots is as follows, per cu.yd.:

	1½ In. Dec. 1. 1917	1½ In. One Year Ago	¾ In. Dec. 1. 1917	¾ In. One Year Ago
New York	$1.15–1.25	$1.00–1.10	$1.25–1.35	$1.10–1.25
Boston	**1.50**	....	**1.50**	....
Chicago	1.40	1.00	1.40	1.00
St. Louis	**1.45**	1.00	**1.45**	1.00
Dallas	*1.39*	....	....	....
San Francisco	**1.06**	1.00	1.00	1.00
St. Paul	1.00	....	1.10	....
Seattle	1.10	....	1.10	....
Denver	**1.45**	....	**1.45**	....
Los Angeles	.95	....	.95	....

LIME—Warehouse prices:

	Hydrated per Ton Finished	Hydrated per Ton Common	Lump per 300-Lb. Barrel Finished	Lump per 300-Lb. Barrel Common
New York	**$16.50**	....	$2.10	....
Chicago	15.00	12.00	....	....
St. Louis	13.00	....	1.50	....
San Francisco	16.50	....	....	$1.65

ROSENDALE NATURAL CEMENT—Price to dealers for 500 bbl. or over, f.o.b., including bags:

New York $1.15

30c. allowed for bags.

PORTLAND CEMENT—These prices are for barrels in carload lots, including bags, to contractors:

	Dec. 1. 1917	One Month Ago	One Year Ago
New York	$2.22	$2.22	$1.87
Jersey City	2.16	2.16	1.80
Boston	2.37	2.37	2.02
Chicago	2.21	2.21	1.96
Pittsburgh	2.31	2.31	1.96
Cleveland	2.44	2.44	2.09
Detroit	2.40	2.40	2.05
Indianapolis	2.38	2.38	2.09
Toledo	2.40	2.40	2.09
Milwaukee	2.33	2.33	2.08
Minneapolis	2.48	2.48	2.23
Duluth	2.51	2.51	2.21
Peoria	2.33	2.33	2.08
Cedar Rapids	2.48	2.48	2.19
Davenport	2.40	2.40	2.14
St. Louis	2.45	2.45	1.95
Denver	*3.10*	3.20	....
San Francisco	2.30	2.30	2.30
Los Angeles	**2.40**	2.30	....
Dallas	**2.60**	2.40	....
Boston	*2.27*	2.37	....
New Orleans	3.00	....	....
St. Paul	**2.83**	2.58	....
Seattle	**2.75**	2.65	....

TRIANGLE MESH—Price per 100 sq.ft. in carload lots:

PLAIN 4-IN. x 4-IN. MESH

Style Number	Sectional Area Square Inches per Foot Width	Pitts-burgh	New York	Chicago	St. Louis	Dallas	San Fran-cisco
032	0.032	**$0.96**	**$0.99**	**$1.01**	**$0.96**	**$1.13**	$1.27
049	0.049	**1.22**	**1.27**	**1.28**	**1.22**	**1.43**	1.63
068	0.068	**1.52**	**1.57**	**1.60**	**1.52**	**1.79**	2.04
093	0.093	**1.96**	**2.03**	**2.06**	**1.96**	**2.41**	2.62
126	0.126	**2.18**	**2.56**	**2.60**	**2.18**	**2.92**	2.96
153	0.153	**2.96**	**3.07**	**3.11**	**2.96**	**3.18**	3.32
180	0.180	3.39	**3.50**	**3.56**	3.39	**3.99**	....
245	0.245	**4.48**	**4.61**	**4.70**	**4.48**	**5.27**	5.65
287	0.287	**5.18**	**5.36**	**5.41**	**5.18**	**6.10**	6.94
336	0.336	**6.00**	**6.21**	**6.30**	**6.00**	**7.06**	....
395	0.395	**6.96**	**7.17**	**7.30**	**6.96**	**8.19**	....
036	0.036	.71	.76	.78	.71	.87	....
053	0.055	**1.04**	**1.08**	**1.09**	**1.04**	**1.23**	....
072	0.072	**1.35**	**1.39**	**1.41**	**1.35**	**1.59**	....
097	0.097	**1.71**	**1.80**	**1.83**	**1.71**	**2.05**	....
019	0.049	**1.04**	**1.14**	**1.09**	**1.04**	**1.23**	1.97
067	0.067	**1.35**	**1.39**	**1.42**	**1.35**	**1.59**	....
089	0.089	**1.74**	**1.80**	**1.83**	**1.74**	**2.05**	....

Made in 16-, 20-, 24-, 28-, 32-, 36-, 40-, 44-, 48-, 52- and 56-in. width in rolls 150-, 200- and 300-ft. lengths.

Galvanized is about 10% higher.

EXPANDED METAL LATH—Prices per 100 yd. for painted are as follows:

Gage	Weight	Carload New York Dec. 1 1917	Carload New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
27	233	$31.00	$18.00	$31.00	$34.00	$29.00	$32.00
26	250	32.05	19.00	32.00	35.00	30.25	....
25	300	33.15	20.00	33.00	....	....	35.00
24	340	34.25	21.00	34.00	37.00	33.00	36.00
22	450	36.45	24.00	36.00	....	....	....

About 10% additional for smaller quantities.

BARS, CONCRETE REINFORCING—The folowing quotations are per 100 lb., for plain round or square bars:

ROLLED FROM BILLETS

In.	Mill Shipment	New York Dec. 1 1917	New York One Year Ago	St. Louis	Chicago	San Francisco	Dallas
¾ and larger	*$2.90*	*$4.09½*	$5.10	$4.17	*$4.10*	*$6.00*	$4.75
⅝	*2.95*	*4.14½*	5.15	4.22	*4.15*	*6.05*	4.80
½	*3.00*	*4.19½*	5.20	4.27	*4.20*	*6.10*	4.85
⅜	*3.15*	*4.34½*	5.35	4.42	*4.35*	*6.25*	5.00
¼	*3.60*	*4.59½*	5.60	4.67	*4.60*	*6.50*	6.00

Twisted bars cut to length take extra of 27½c. per 100 lb. Extra on deformed bars, uncut, 7½c.

ROLLED FROM RAILS

	Chicago	Dallas		Chicago	Dallas
¾ in. and larger	*$4.10*	$4.75	⅜	*$4.35*	$5.00
⅝	*4.15*	4.80	¼	*4.60*	6.00
½	*4.20*	4.85			

BRICK—To contractors the price per 1000 in cargo or carload lots is as follows:

	Common Dec. 1. 1917	Common One Month Ago	Common One Year Ago	Paving Brick	Paving Block
New York	$8.25	$8.25	$9.50	$33.00	$40.00
Chicago	8.00	8.00	6.00	17.00	25.00
St. Louis, selected	10.00	10.00	10.00	18.00	....
St. Louis, salmon	8.00	8.00	7.00	....	....
Denver	8.00	8.00	....	....	....
San Francisco	10.00	10.00	10.00	....	....
Dallas	**9.50**	8.60	....	22.00	22.50
Boston	13.25	13.25	....	....	25.00
St. Paul	8.70	8.70	....	....	27.00
Seattle	9.00	9.00	....	....	28.75
Los Angeles	**8.00**	7.50	....	....	....
New Orleans	10.00	....	....	....	10.50

HOLLOW TILE—Hollow building tile price per block in cents:

	New York Dec. 1. 1917	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
4x12x12	**$0.095**	$0.075	$0.079	$0.054	$0.0825	$0.075
6x12x12	**.133**	.104	.119	.066	.11	.105
8x12x12	**.1615**	.1266	.137	.09	.1275	.14
10x12x12	**.190**	.149	.158	.15	.20	.16
12x12x12	**.2375**	.1875	.205	.18	.22	.21

Above prices are for carload lots or more.

	4x12x12	8x12x12	12x12x12
Boston	*$0.08*	*$0.15*	*$0.20*
St. Paul	.055	.138	.153
Denver	.11	.20	.30
Los Angeles	**.0668**	**.12**	**.20**
Seattle	.06	.10	.16

STRUCTURAL MATERIAL—The following are the base prices f.o.b. mill, Pittsburgh, together with the quotations per 100 lb. from warehouses at the places named:

	Pitts-burgh	New York Dec. 1, 1917	New York 1 Yr. Ago	St. Louis	Chi-cago	San Fran-cisco	Dallas
Beams, 3 to 15 in.	$3.00	*$4.195*	$3.85	*$4.27*	*$4.20*	$7.75	$6.00
Channels, 3 to 15 in.	3.00	*4.195*	3.25	*4.27*	*4.20*	7.75	6.00
Angles, 3 to 6 in., ¼ in. thick	3.00	*4.195*	3.25	*4.27*	*4.20*	7.75	6.00
Tees, 3 in. and larger	3.00	*4.195*	3.40	*4.27*	*4.25*	7.75	6.00
Plates	3.25	*4.445*	4.00	*4.52*	*4.45*	7.75	9.00

RIVETS—The following quotations are per 100 lb.:

STRUCTURAL

	Mill, Pittsburgh	New York Dec. 1 1917	New York One Year Ago	Chicago	St. Louis	San Francisco	Dallas
¾ in. and larger	$5.25	$7.00	$5.25	$5.50	$5.55	$7.15	$8.40

CONE HEAD BOILER

¾ in. and larger	5.35	7.10	5.35	5.60	5.65	7.25	8.50
⅝ and ⅞	5.50	7.25	5.50	5.75	5.80	7.40	8.65
½ and 7/16	5.85	7.60	5.85	6.10	6.15	7.75	9.00

Lengths shorter than 1 in. take an extra of 50c. Lengths between 1 in. and 2 in. take an extra of 25c.

PREPARED ROOFINGS—Standard grade rubbered surface, complete with nails and cement, costs per square as follows in New York, St. Louis, Chicago and San Francisco:

	1-Ply c.l.	1-Ply l.c.l.	2-Ply c.l.	2-Ply l.c.l.	3-Ply c.l.	3-Ply l.c.l.
No. 1 grade	$1.15	$1.40	$1.45	$1.60	$1.75	$1.90
No. 2 grade	1.10	1.25	1.25	1.40	1.50	1.65

Asbestos asphalt-saturated felt (14 lb. per square) costs $6.50 per 100 lb.

Slate-surfaced roofing (red and green) in rolls of 108 sq.ft. costs $1.85 per roll in carload lots and $2.10 for smaller quantities.

Shingles, red and green slate finish, cost $4.75 per square in carloads, $5 in smaller quantities, in Philadelphia.

ROOFING MATERIALS—Prices per ton f.o.b. New York or Chicago:

	Carload Lots	Less Than Carload Lots
Tar felt (14 lb. per square of 100 sq.ft.)	$61.00	$62.00
Tar pitch (in 400-lb. bbl.)	15.00	16.50
Asphalt pitch (in barrels)	29.00	30.50
Asphalt felt	60.00	62.00

SHEETS—Quotations are in cents per pound in various cities from warehouse, also the base quotations from mill:

Blue Annealed	Large Lots, Pittsburgh	St. Louis	Chicago	San Francisco	New York Dec. 1, 1917	New York One Yr. Ago
No. 10	4.25	5.42	5.45	8.25	5.445	4.25
No. 12	4.30	5.47	5.50	8.30	5.495	4.30
No. 14	4.35	5.52	5.55	8.35	5.545	4.35
Black						
Nos. 18 and 20	4.80	6.32	6.25	8.30	6.245	3.80
Nos. 22 and 24	4.85	6.37	6.30	8.35	6.295	3.85
No. 26	4.90	6.42	6.35	8.40	6.345	3.90
No. 28	5.00	6.52	6.45	8.50	6.445	4.00
Galvanized						
No. 10	5.25	6.97	6.80	....	6.695	....
No. 12	5.30	6.97	6.80	8.60	6.795	4.50
No. 14	5.35	6.97	6.80	8.60	6.795	4.50
Nos. 18 and 20	5.65	7.17	7.10	8.90	7.095	4.90
Nos. 22 and 24	5.80	7.32	7.25	9.05	7.245	5.30
No. 26	5.95	7.47	7.40	9.20	7.395	5.45
No. 28	6.25	7.77	7.70	9.50	7.695	5.75

LINSEED OIL—These prices are per gallon:

	New York Dec. 1, 1917	New York One Year Ago	Cleveland Dec. 1, 1917	Cleveland One Year Ago	Chicago Dec. 1, 1917	Chicago One Year Ago
Raw in barrels	$1.22	$1.01	$1.25	$1.05	$1.22	$0.96
5-gal. cans	1.32	1.11	1.10	1.15	1.32	1.06

WHITE AND RED LEAD in 500-lb. lots sell as follows in cents per pound:

	Red Dec. 1, 1917 Dry	Red Dec. 1, 1917 In Oil	Red 1 Year Ago Dry	Red 1 Year Ago In Oil	White Dec. 1, 1917 Dry and In Oil	White 1 Yr. Ago Dry and In Oil
100-lb. keg	12.25	12.50	10.50	11.00	12.00	10.50
25- and 50-lb. kegs	12.50	12.75	10.75	11.25	12.25	10.75
12½-lb. keg	12.75	13.00	11.00	11.50	12.50	11.00
1- to 5-lb. cans	14.25	14.50	12.50	12.50	14.50	12.50

LUMBER—Price per M in carload lots:

Rough Douglas Fir, No. 1 Common—More than carload lots in San Francisco:

Size in Inches	15 Ft. and Under	16 to 24 Ft.	25 to 32 Ft.
3 and 4x4	$24.00	$25.50	....
3 and 4x6 and 8	24.00	24.50	$25.50
6x6 and 8x8	24.50	25.50	25.50
5 and 4x10	24.00	25.50	26.50
6 and 8x10	25.00	26.00	27.00
3 and 4x12	24.00	25.50	26.50
6 and 8x12	25.50	26.50	26.50
10 and 12x12	25.00	25.00	27.00
3 and 4x14	25.00	27.00	28.00
6 and 8x14	26.50	27.50	27.50
7 and 9x14	27.50	28.50	28.50
10 and 12x14	26.00	26.00	28.00

Square Edge and Sound Green

	Southern Pine New York 20 Ft. and Under	Southern Pine New York 22- 24 Ft.	Southern Pine Chicago 20 Ft. and Under	Southern Pine Chicago 22- 24 Ft.	Yellow Pine St. Louis 20 Ft. and Under	Yellow Pine St. Louis 22- 24 Ft.
3 x 4	$33.75	$34.00	$31.75	$32.75	$28.75	$29.75
3 x 10	36.75	37.00	34.75	35.75	31.75	32.75
3 x 12	41.75	42.00	39.75	40.75	36.75	37.75
3 x 14	42.75	45.00	41.75	43.75	38.75	40.75
3 x 16	45.75	47.00	43.75	45.75	40.75	42.75
3 x 18	48.75	51.00	46.75	49.75	43.75	46.75
4 x 20	51.75	54.00	49.75	52.75	46.75	49.75

Over 24 ft.—Add $1 for each additional 2 ft. in length up to 40 ft. for sizes 12 x 12 and under; for sizes over 12 x 12 add $2. For merchantable add $2 to sizes 10 x 10 and under. For prime add $2 to the price of merchantable for all sizes.

Prices from Lumberman's Bureau.

	8 x 8-In. x 20 Ft. and Under Y.P.	Fir	Hemlock	Spruce	12 x 12-In., 20 Ft. and Under Y.P.	Fir
Boston	....	....	....	$40.00	....	....
Seattle	$23.00	$23.00	$23.00	23.00	$23.00	$23.00
Los Angeles	....	30.00	30.00	....	....	....
New Orleans	26.00	....	....	....	38.00	....
St. Paul	....	38.00	38.00	38.00	....	51.00
Denver	....	32.00	....	28.50	....	34.00
San Francisco	....	24.00	24.00	....	....	24.00

	1-In. Rough 10 In. x 16 Ft. and Under Y.P.	Fir	Hemlock	2-In. T. and G 10 In. x 16 Ft. Y.P.	Fir
Seattle	$23.00	$23.00	$23.00	$23.00	$23.00
New Orleans	26.00	....	....	24.00	....
San Francisco	....	24.00	24.00	....	24.00
St. Paul	....	53.00	34.00	61.00	37.50
Denver	....	30.00	30.00	....	30.00

Yellow Pine—Dallas. Price per M:

2x4 to 2x12—12, 14 and 16	$32.50
2x4 to 2x12—10, 18 and 20	35.00
2x4 to 2x12—22 and 24	37.50
4x4, 4x6, 6x6, 8x8 and 3x8	40.00
8x10, 10x10 and 3x10	42.50
12x12 and 3x12	42.50

NAILS—The following quotations are per keg from warehouse:

	Pittsburgh	St. Louis	Chicago	San Francisco	Dallas
Wire	$3.50	$4.30	$4.25	$4.70	$4.50
Cut	....	5.25	4.40	6.15	...

MISCELLANEOUS

FREIGHT RATES—On finished steel products in the Pittsburgh district, including plates, structural shapes, merchant steel, bars, pipe fittings, plain and galvanized wire nails, rivets, spikes, bolts, flat sheets (except planished), chains, etc., the following freight rates are effective in cents per 100 lb.:

Boston	21.5	New Orleans	30.7
Buffalo	11.6	New York	19.5
Chicago	18.9	Pacific Coast (all rail)	75.0
Cincinnati	15.8	Philadelphia	18.5
Cleveland	10.5	St. Louis	23.6
Denver	68.6	St. Paul	32.9
Kansas City	43.6		

Note—Add 3% transportation tax.

WATER TREATMENT CHEMICALS—Prices per pound are as follows:

	New York	Chicago
Sulphate of alumina (iron free), in 400-lb. barrel	$0.045	....
Hypochlorite of lime (bleaching powder), in 700-lb. drums	.03	....
Soda ash, in 400-lb. bbl.	.05	.03¾ to 4
Liquid chlorine, in 100-lb. cylinders	.175	.16 to .18

Lime is quoted separately.

CONTRACTORS' MISCELLANEOUS SUPPLIES

STEEL SHEET PILING—The following price is base per 100 lb. f.o.b. Pittsburgh, with a comparison of a month and a year ago:

Dec. 1, 1917	One Month Ago	One Year Ago
$4.00 to $5.00	$4.00 to $5.00	$3.00

WIRE ROPE—Discounts from list price on regular grades of bright and galvanized are as follows:

	New York	St. Louis	Chicago	San Francisco
Galvanized	10—2½%	10—2½%	10—2½%	+10%
Bright	20—2½%	20—2½%	20—2½%	15%

Note—Change in price imminent.

MANILA ROPE—For rope smaller than ⅝-in. the price is ½ to 2c. extra; while for quantities amounting to less than 600 ft. there is an extra charge of 1c. The number of feet per pound for the various sizes is as follows: ⅝-in., 8 ft.; ¾-in., 6; ⅞-in., 4½; 1-in., 3½; 1⅛-in., 2 ft. 10 in.; 1¼-in., 2 ft. 4 in. Following is price per pound for ⅝-in. and larger, in 1200-ft. coils:

Boston	$0.35	New Orleans	$0.33
New York	.35	Los Angeles	.31
Chicago	.37½	Seattle	.33½
St. Paul	.34	Denver	.35½

EXPLOSIVES—Price per pound in small lots at cities named:

	Low Freezing 20%	Gelatin 40%	Gelatin 60%	Gelatin 80%	Black Powder
New York	....	$0.27½	$0.34½	....	$2.50*
Boston	....	....	.36¼	$0.43¾	....
New Orleans	....	.27½	.34½	....	....
Los Angeles	$0.24	.30	.39	....	....
Seattle	.18½	.24¾	.31¾	.41¾	....
Chicago	.19¾	.25¾	.33	.43	2.45*
St. Paul	.20	.26¼	.33¾	....	2.55*
St. Louis	.16½	.20½	.27½	.39½	2.15*
Denver	.19	.25¼	.32¼	.42¼	....
Dallas	.25	.29	.39	.49	....

*Keg.

POLES—Price of Western red cedar poles is as follows:

	New York Dec. 1, 1917	New York One Year Ago	Chicago	St. Louis	Denver
6 in. by 30 ft.	$5.59	$4.77	$4.94	$4.94	$4.32
7 in. by 30 ft.	7.40	5.90	6.60	6.60	5.80
7 in. by 35 ft.	10.70	....	9.60	9.60	8.55
8 in. by 35 ft.	12.30	9.75	10.90	10.90	9.65
7 in. by 40 ft.	12.35	9.95	11.00	11.00	9.75
*8 in. by 45 ft.	18.20	14.45	16.20	16.20	14.30
*8 in. by 50 ft.	21.85	16.85	19.45	19.45	17.15

*10c. higher freight rates on account of double loads.

For plain pine poles, delivered New York, the price is as follows:

10-in. butts, 5-in. tops, length 20-30 ft.	$5.00
12-in. butts, 6-in. tops, length 30-40 ft.	7.50
12-in. butts, 6-in. tops, length 41-50 ft.	8.50
14-in. butts, 6-in. tops, length 51-60 ft.	16.00
14-in. butts, 6-in. tops, length 61-71 ft.	17.50

OLD MATERIAL—The prices following are per gross ton paid to dealers and producers in New York. In Chicago and St. Louis the quotations are per net ton and cover delivery at the buyer's works, including freight transfer charges:

	New York Dec. 1, 1917	New York One Month Ago
Heavy melting steel scrap	$25.00 to 26.00	$23.50 to 24.50
No. 1 railroad wrought	32.00 to 33.00	32.00 to 33.00
Stove plate	20.00 to 20.50	18.00 to 19.00
No. 1 machinery cast	26.00 to 27.00	26.00 to 27.00
Machine shop turnings	15.00 to 16.00	14.00 to 15.00
Cast borings	17.00 to 18.00	16.00 to 17.00
Railroad malleable cast	27.00 to 28.00	27.00 to 28.00

	Chicago Dec. 1, 1917	Chicago One Month Ago
No. 1 railroad wrought	$25.00 to 26.00	$28.50 to 29.00
Stove plate	16.50 to 17.00	15.50 to 16.50
No. 1 machinery cast	20.50 to 21.00	20.00 to 21.00
Cast borings	16.50	14.25 to 15.25
Machine shop turnings	16.50	15.00 to 15.50
Railroad malleable cast	26.00 to 26.50	24.00 to 25.00

	St. Louis Price Delivered Dec. 1, 1917	St. Louis Price Delivered One Month Ago
No. 1 railroad wrought	$30.50 to 31.00	$29.00 to 30.00
Stove plate	16.50 to 17.00	10.00 to 11.00
No. 1 machinery cast	19.00 to 20.50	19.00 to 20.00
Machine shop turnings	16.75 to 17.25	14.00 to 15.00
Cast borings	16.50 to 17.00	12.00 to 13.00
Railroad malleable cast	25.50 to 26.00	24.00 to 25.00